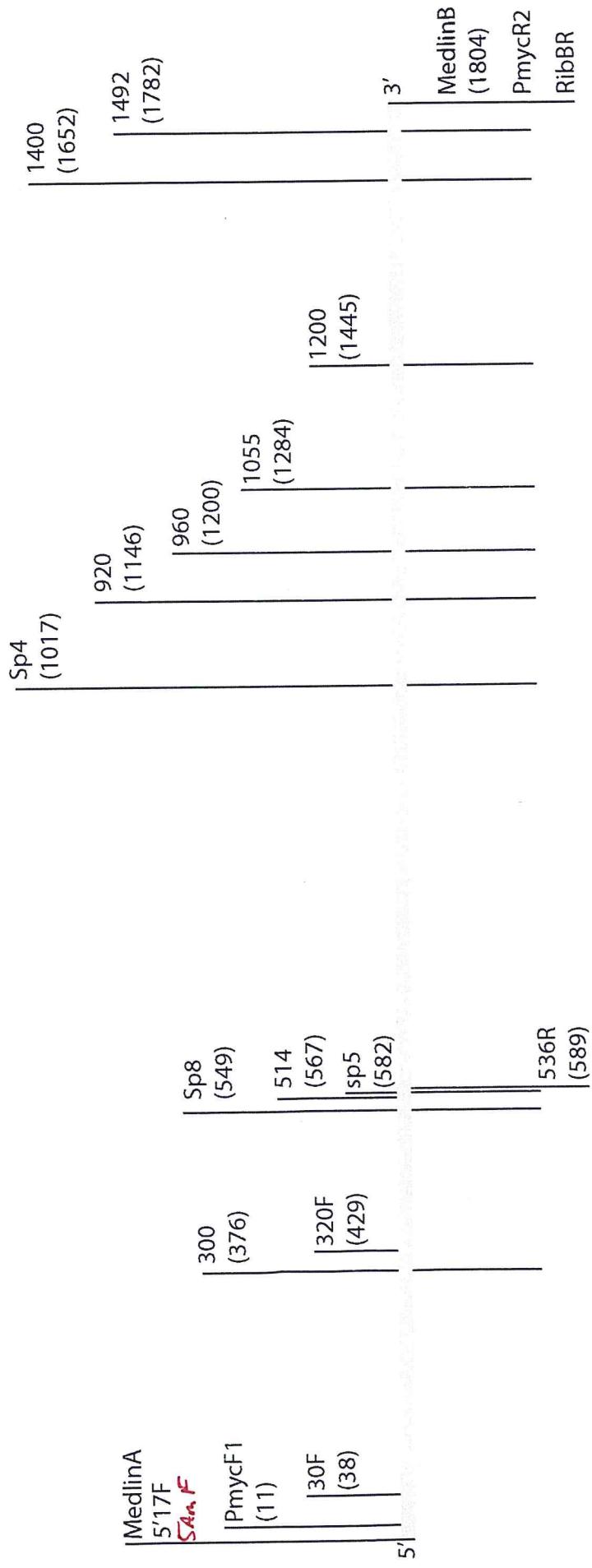


## SSU rDNA Primers (size references are based on *Oryza sativa*)





INTEGRATED DNA TECHNOLOGIES

## SPECIFICATION SHEET

02-Oct-2013

WWW.IDTDNA.COM

Order No. 10016775

Ref. No. 115663628

25 n mole DNA Oligo, 17 bases

Sequence - 5'17F

5'- CTG GTT GAT CCT GCC AG -3'

## Properties

Tm (50mM NaCl): 52.9 °C

GC Content: 58.8%

Molecular Weight: 5,177.4

nmoles/OD260: 6.5

ug/OD260: 33.8

Ext. Coefficient: 153,100 L/(mole·cm)

## Amount Of Oligo

5.0 =	33.0	= 0.17
OD 260	nMoles	mg

## Shipped To

MATTHEW BROWN

MISSISSIPPI STATE UNIVERSITY

219 HARNED HALL

MISSISSIPPI STATE, MS 39762

USA

6623252406

Customer No. 264204 PO No. Credit Card

## Notes

EUK SSU 5' PRIMER FORWARD

## Disclaimer

See on reverse page notes (I) (II) &amp; (III) for usage, label license, and product warranties

## Modifications And Services

Quantity

Standard Desalting

1

Mfg. ID 117823147 Labels - Peel Here

100uM

115663628	IDT
M.BROWN	
117823147	02-Oct-2013
5'17F	
S- CTG GTT GAT CCT GCC AG -3'	
Tm=52.9°C	MW=5,177.4
5.0 OD =	33.0 nm = 0.17 mg

## INSTRUCTIONS

- Lyophilized contents may appear as either a translucent film or a white powder. This variance does not affect the quality of the oligo.

Please centrifuge tubes prior to opening. Some of the product may have been dislodged during shipping.

02-Oct-2013

Order No.

**10016775**

Ref. No.

**115663627**
**Sequence - 5AmF**

25 n mole DNA Oligo, 18 bases

**5'- AAC CTG GTT GAT CCT GCC -3'**
**Properties**

Tm (50mM NaCl): 55.0 °C

GC Content: 55.5%

Molecular Weight: 5,450.6

nmoles/OD260: 6.1

ug/OD260: 33.5

Ext. Coefficient: 162,700 L/(mole·cm)

**Amount Of Oligo**

 5.7 = 35.1 = 0.19  
 OD 260 nMoles mg

**Shipped To**

 MATTHEW BROWN  
 MISSISSIPPI STATE UNIVERSITY  
 219 HARNED HALL  
 MISSISSIPPI STATE, MS 39762  
 USA  
 6623252406  
 Customer No. 264204

PO No. Credit Card

**Secondary Structure Calculations**

Lowest folding free energy (kcal/mole): -0.83 at 25 °C

Strongest Folding Tm: 35.6 °C

**Notes**

EUK SSU 5' PRIMER FORWARD

**Oligo Base Types**
**Quantity**

A Bases

18

**Disclaimer**

 See on reverse page notes (I) (II) & (III) for usage,  
 label license, and product warranties

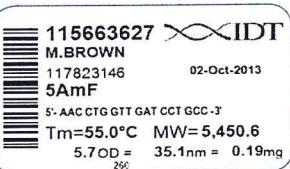
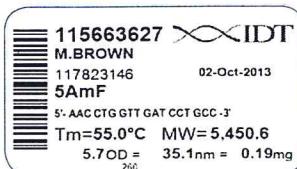
**Modifications And Services**
**Quantity**

Standard Desalting

1

Mfg. ID 117823146 Labels - Peel Here

(100 μM)


**I N S T R U C T I O N S**

- Lyophilized contents may appear as either a translucent film or a white powder. This variance does not affect the quality of the oligo.

- Please centrifuge tubes prior to opening. Some of the product may have been dislodged during shipping.



INTEGRATED DNA TECHNOLOGIES

## SPECIFICATION SHEET

WWW.IDTDNA.COM

02-Oct-2013

Order No.

10016775

Ref. No.

115663626

Sequence - MedlinA

25 n mole DNA Oligo, 35 bases

5'- CCG AAT TCG TCG ACA ACC TGG TTG ATC CTG CCA GT -3'

## Properties

Tm (50mM NaCl): 67.5 °C

GC Content: 54.2%

Molecular Weight: 10,683.0

nmoles/OD260: 3.1

ug/OD260: 33.0

Ext. Coefficient: 323,600 L/(mole·cm)

## Amount Of Oligo

12.6 =	38.8	= 0.41
OD 260	nMoles	mg

## Shipped To

MATTHEW BROWN

MISSISSIPPI STATE UNIVERSITY

219 HARNED HALL

MISSISSIPPI STATE, MS 39762

USA

6623252406

Customer No. 264204

PO No. Credit Card

## Notes

EUK SSU 5' PRIMER FORWARD

## Secondary Structure Calculations

Lowest folding free energy (kcal/mole): -4.21 at 25 °C

Strongest Folding Tm: 45.6 °C

## Oligo Base Types

## Quantity

A Bases

35

## Disclaimer

See on reverse page notes (I) (II) &amp; (III) for usage, label license, and product warranties

## Modifications And Services

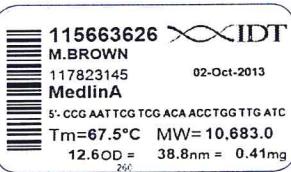
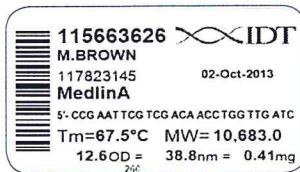
## Quantity

Standard Desalting

1

100 μM

Mfg. ID 117823145 Labels - Peel Here



## INSTRUCTIONS

- Lyophilized contents may appear as either a translucent film or a white powder. This variance does not affect the quality of the oligo

Please centrifuge tubes prior to opening. Some of the product may have been dislodged during shipping.



INTEGRATED DNA TECHNOLOGIES

## SPECIFICATION SHEET

04-Oct-2013

WWW.IDTDNA.COM

Order No. 10021365

Ref. No. 115730632

## Sequence - PmycF1

25 nmole DNA Oligo, 21 bases

5'- TCC TGC CAG TAG TCA TAT GCT -3'

Properties	Amount Of Oligo			Shipped To
Tm (50mM NaCl): 55.4 °C	5.6	=	28.6	= 0.18
GC Content: 47.6%	OD 260	nMoles	mg	
Molecular Weight: 6,372.2				MATTHEW BROWN
nmoles/OD260: 5.1				MISSISSIPPI STATE UNIVERSITY
ug/OD260: 32.8				219 HARNED HALL
Ext. Coefficient: 194,500 L/(mole·cm)				MISSISSIPPI STATE, MS 39762
				USA
				6623252406
				Customer No. 264204 PO No. Credit Card

## Secondary Structure Calculations

Lowest folding free energy (kcal/mole): 0.21 at 25 °C

Strongest Folding Tm: 22.3 °C

Oligo Base Types	Quantity
DNA Bases	21

## Disclaimer

See on reverse page notes (I) (II) &amp; (III) for usage, label license, and product warranties

Modifications And Services	Quantity
Standard Desalting	1

(600 μM)

Mfg. ID 117886847 Labels - Peel Here

	115730632  M.BROWN 117886847 04-Oct-2013 PmycF1 5'-TCCTGCCAGTAGTCATATGCT-3' Tm=55.4°C MW=6,372.2 5.6OD = 28.6nm = 0.18mg		115730632  M.BROWN 117886847 04-Oct-2013 PmycF1 5'-TCCTGCCAGTAGTCATATGCT-3' Tm=55.4°C MW=6,372.2 5.6OD = 28.6nm = 0.18mg
--	---	--	---

## INSTRUCTIONS

- Lyophilized contents may appear as either a translucent film or a white powder. This variance does not affect the quality of the oligo.

Please centrifuge tubes prior to opening. Some of the product may have been dislodged during shipping.

Sequence: 5'-AAA GAT TAA GCC ATG CAT -3'

Tm = 46.6°C MW = 5,515.7  
5.6 OD<sub>260</sub> = 30.1 nm = 0.17 mg

**SPECIFICATION SHEET**

02-Oct-2013

[WWW.IDTDNA.COM](http://WWW.IDTDNA.COM)

Order No.

**10016775**

Ref. No.

**115663629**
**Sequence - 30F**
**25 nmole DNA Oligo, 18 bases**
**5'- AAA GAT TAA GCC ATG CAT -3'**
**Properties**
*T<sub>m</sub>* (50mM NaCl): 46.6 °C

GC Content: 33.3%

Molecular Weight: 5,515.7

nmoles/OD260: 5.4

ug/OD260: 29.6

Ext. Coefficient: 186,600 L/(mole·cm)

**Amount Of Oligo**

 5.6 = 30.1 = 0.17  
 OD 260 nMoles mg

**Shipped To**

 MATTHEW BROWN  
 MISSISSIPPI STATE UNIVERSITY

219 HARNED HALL

MISSISSIPPI STATE, MS 39762

USA

6623252406

Customer No. 264204

PO No. Credit Card

**Secondary Structure Calculations**

Lowest folding free energy (kcal/mole): -0.23 at 25 °C

 Strongest Folding *T<sub>m</sub>*: 28.5 °C

**Notes**

EUK SSU (BASE 38)

**Oligo Base Types**
**Quantity**

DNA Bases

18

**Disclaimer**

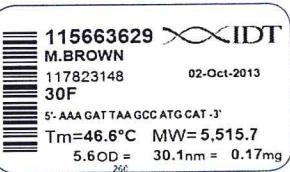
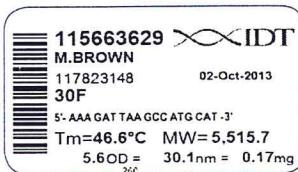
 See on reverse page notes (I) (II) & (III) for usage,  
 label license, and product warranties

**Modifications And Services**
**Quantity**

Standard Desalting

1

Mfg. ID 117823148 Labels - Peel Here


**I N S T R U C T I O N S**

- Lyophilized contents may appear as either a translucent film or a white powder. This variance does not affect the quality of the oligo.

Please centrifuge tubes prior to opening. Some of the product may have been dislodged during shipping.

02-Oct-2013

Order No. **10016775**

Ref. No. **115663630**

**Sequence - 300F**

**25 nmole DNA Oligo, 18 bases**

**5'- AGG GTT CGA TTC CGG AGA -3'**

**Properties**

T<sub>m</sub> (50mM NaCl): 55.4 °C  
 GC Content: 55.5%  
 Molecular Weight: 5,579.7  
 nmoles/OD260: 5.5  
 ug/OD260: 30.7  
 Ext. Coefficient: 181,500 L/(mole·cm)

**Amount Of Oligo**

6.1 = 33.6 = 0.19  
 OD 260 nMoles mg

**Shipped To**

MATTHEW BROWN  
 MISSISSIPPI STATE UNIVERSITY  
 219 HARNED HALL  
 MISSISSIPPI STATE, MS 39762  
 USA  
 6623252406  
 Customer No. 264204 PO No. Credit Card

**Secondary Structure Calculations**

Lowest folding free energy (kcal/mole): -0.59 at 25 °C  
 Strongest Folding T<sub>m</sub>: 33.0 °C

**Notes**

EUK SSU (BASE 376)

**Oligo Base Types**

Quantity

NA Bases

18

**Disclaimer**

See on reverse page notes (I) (II) & (III) for usage,  
 label license, and product warranties

**Modifications And Services**

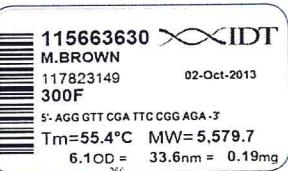
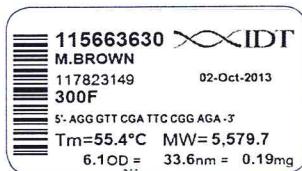
Quantity

Standard Desalting

1

100vM

Mfg. ID 117823149 Labels - Peel Here



**I N S T R U C T I O N S**

- Lyophilized contents may appear as either a translucent film or a white powder. This variance does not affect the quality of the oligo.
- Please centrifuge tubes prior to opening. Some of the product may have been dislodged during shipping.



INTEGRATED DNA TECHNOLOGIES

## SPECIFICATION SHEET

WWW.IDTDNA.COM

04-Oct-2013

Order No. 10021365

Ref. No. 115730642

Sequence - 300R

25 n mole DNA Oligo, 17 bases

5'- TCA GGC TCC CTC TCC GG -3'

## Properties

Tm (50mM NaCl): 59.1 °C

GC Content: 70.5%

Molecular Weight: 5,098.3

nmoles/OD260: 6.9

ug/OD260: 35.4

Ext. Coefficient: 144,000 L/(mole·cm)

## Amount Of Oligo

3.4 = 23.8 = 0.12  
OD 260 nMoles mg

## Shipped To

MATTHEW BROWN  
MISSISSIPPI STATE UNIVERSITY  
219 HARNED HALL  
MISSISSIPPI STATE, MS 39762USA  
6623252406  
Customer No. 264204 PO No. Credit Card

## Secondary Structure Calculations

Lowest folding free energy (kcal/mole): 0.22 at 25 °C

Strongest Folding Tm: 20.8 °C

## Notes

EUK SSU (BASE 376)

## Oligo Base Types

## Quantity

DNA Bases

17

## Disclaimer

See on reverse page notes (I) (II) & (III) for usage,  
label license, and product warranties

## Modifications And Services

## Quantity

Standard Desalting

1

Mfg. ID 117886857 Labels - Peel Here

<b>115730642</b>	<b>IDT</b>
M.BROWN	
117886857	04-Oct-2013
<b>300R</b>	
5'- TCA GGC TCC CTC TCC GG -3'	
Tm=59.1°C	MW=5,098.3
3.4OD = 23.8nm = 0.12mg	

<b>115730642</b>	<b>IDT</b>
M.BROWN	
117886857	04-Oct-2013
<b>300R</b>	
5'- TCA GGC TCC CTC TCC GG -3'	
Tm=59.1°C	MW=5,098.3
3.4OD = 23.8nm = 0.12mg	

## INSTRUCTIONS

- Lyophilized contents may appear as either a translucent film or a white powder. This variance does not affect the quality of the oligo.

Please centrifuge tubes prior to opening. Some of the product may have been dislodged during shipping.



INTEGRATED DNA TECHNOLOGIES

## SPECIFICATION SHEET

WWW.IDTDNA.COM

02-Oct-2013

Order No.

10016775

Ref. No.

115663631

Sequence - 320F

25 n mole DNA Oligo, 15 bases

5'- GCA GCA GGC GCG CAA -3'

## Properties

Tm (50mM NaCl): 61.0 °C

GC Content: 73.3%

Molecular Weight: 4,612.0

nmoles/OD260: 6.9

ug/OD260: 31.6

Ext. Coefficient: 145,900 L/(mole·cm)

## Amount Of Oligo

5.7 =	38.8	=	0.18
OD 260	nMoles		mg

## Shipped To

MATTHEW BROWN

MISSISSIPPI STATE UNIVERSITY

219 HARNED HALL

MISSISSIPPI STATE, MS 39762

USA

6623252406

Customer No. 264204

PO No. Credit Card

## Notes

EUK SSU (BASE 429)

## Secondary Structure Calculations

Lowest folding free energy (kcal/mole): -0.73 at 25 °C

Strongest Folding Tm: 30.9 °C

## Oligo Base Types

	Quantity
DNA Bases	15

## Modifications And Services

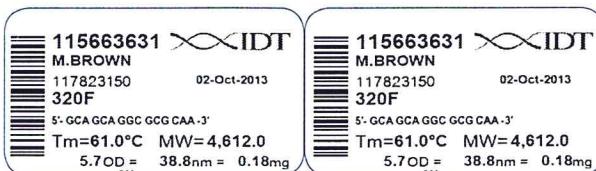
	Quantity
Standard Desalting	1

Mfg. ID 117823150 Labels - Peel Here

## Disclaimer

See on reverse page notes (I) (II) &amp; (III) for usage, label license, and product warranties

100vM



## INSTRUCTIONS

- Lyophilized contents may appear as either a translucent film or a white powder. This variance does not affect the quality of the oligo

Please centrifuge tubes prior to opening. Some of the product may have been dislodged during shipping.

5'-CAA TTR GAG GRC AAG TCT GGT -3'  
 4.6 OD<sub>260</sub> = 21.8 nm = 0.14 mg  
 260

## SPECIFICATION SHEET

WWW.IDTDNA.COM

04-Oct-2013

Order No. **10021365**

Ref. No. **115730641**

### Sequence - Sp8F

25 nmole DNA Oligo, 21 bases

**5'- CAA TTR GAG GRC AAG TCT GGT -3'**

### Properties

Tm (50mM NaCl): 54.7 °C  
 GC Content: 47.6%  
 Molecular Weight: 6,510.3  
 nmoles/OD260: 4.8  
 ug/OD260: 30.9  
 Ext. Coefficient: 210,400 L/(mole·cm)

### Amount Of Oligo

4.6 =	21.8	= 0.14
OD 260	nMoles	mg

### Shipped To

MATTHEW BROWN  
 MISSISSIPPI STATE UNIVERSITY  
 219 HARNED HALL  
 MISSISSIPPI STATE, MS 39762  
 USA  
 6623252406  
 Customer No. 264204      PO No. Credit Card

### Secondary Structure Calculations

Lowest folding free energy (kcal/mole): 1.24 at 25 °C  
 Strongest Folding Tm: -0.4 °C

### Notes

EUK SSU (BASE 549)

### Oligo Base Types

#### Quantity

DNA Bases

21

### Disclaimer

See on reverse page notes (I) (II) & (III) for usage,  
 label license, and product warranties

### Modifications And Services

#### Quantity

Standard Desalting

1

100 μM

Mfg. ID 117886856 Labels - Peel Here



### I N S T R U C T I O N S

- Lyophilized contents may appear as either a translucent film or a white powder. This variance does not affect the quality of the oligo.

Please centrifuge tubes prior to opening. Some of the product may have been dislodged during shipping.



# INTEGRATED DNA TECHNOLOGIES

## ECIFICATION SHEET

WWW.IDTDNA.COM

04-Oct-2013

Order No. 10021365

**115730647**

Ref. No. 115730647

## **Sequence - Sp8R**

25 nmole DNA Oligo, 21 bases

**5'- ACC AGA CTT GYC CTC YAA TTG -3'**

Properties	Amount Of Oligo			Shipped To
Tm (50mM NaCl): 54.7 °C	5.2	=	27.0	= 0.17
GC Content: 47.6%	OD 260	nMoles	mg	
Molecular Weight: 6,341.2				MATTHEW BROWN
nmoles/OD260: 5.1				MISSISSIPPI STATE UNIVERSITY
ug/OD260: 32.7				219 HARNED HALL
Ext. Coefficient: 194,200 L/(mole·cm)				MISSISSIPPI STATE, MS 39762
				USA
				6623252406
				Customer No. 264204 PO No. Credit Card

## Secondary Structure Calculations

Strongest Folding Tm: 9.4 °C

## Oligo Base Types

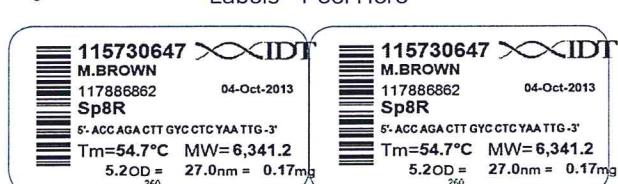
NA Bases

21

#### **Modifications And Services**

---

Standard Drafting 1



### **Disclaimer**

See on reverse page notes (I) (II) & (III) for usage,  
label license, and product warranties

# INSTRUCTIONS

- Lyophilized contents may appear as either a translucent film or a white powder. This variance does not affect the quality of the oligo.

Please centrifuge tubes prior to opening. Some of the product may have been dislodged during shipping.

02-Oct-2013

Order No. **10016775**

Ref. No. **115663632**

**Sequence - 514F**

25 n mole DNA Oligo, 20 bases

**5'- GGT GCC AGC ASC CGC GGT AA -3'**

Properties	Amount Of Oligo			Shipped To
Tm (50mM NaCl): 65.7 °C	6.3	=	32.9	= 0.20
GC Content: 70. %	OD 260	nMoles	mg	
Molecular Weight: 6,148.0				MATTHEW BROWN
nmoles/OD260: 5.2				MISSISSIPPI STATE UNIVERSITY
ug/OD260: 32.2				219 HARNED HALL
Ext. Coefficient: 191,150 L/(mole·cm)				MISSISSIPPI STATE, MS 39762
				USA
				6623252406
				Customer No. 264204 PO No. Credit Card

**Secondary Structure Calculations**

Lowest folding free energy (kcal/mole): -0.5 at 25 °C  
 Strongest Folding Tm: 28.8 °C

**Notes**

EUK SSU (BASE 567)

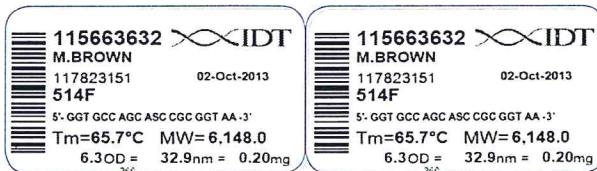
Oligo Base Types	Quantity
NA Bases	20

Modifications And Services	Quantity
Standard Desalting	1

Mfg. ID 117823151 Labels - Peel Here

**Disclaimer**

See on reverse page notes (I) (II) & (III) for usage, label license, and product warranties



**I N S T R U C T I O N S**

- Lyophilized contents may appear as either a translucent film or a white powder. This variance does not affect the quality of the oligo.
- Please centrifuge tubes prior to opening. Some of the product may have been dislodged during shipping.

(00 uM)

04-Oct-2013

Order No. **10021365**

Ref. No. **115730639**

**Sequence - sp5F\_short**

**5'- GGT AAT TCC AGC WCY AAT AGC -3'**

**25 nmole DNA Oligo, 21 bases**

**Properties**

T<sub>m</sub> (50mM NaCl): 52.1 °C  
 GC Content: 45.2%  
 Molecular Weight: 6,402.2  
 nmoles/OD260: 4.9  
 ug/OD260: 31.2  
 Ext. Coefficient: 205,500 L/(mole·cm)

**Amount Of Oligo**

5.7 = 27.6 = 0.18  
 OD 260 nMoles mg

**Shipped To**

MATTHEW BROWN  
 MISSISSIPPI STATE UNIVERSITY  
 219 HARNED HALL  
 MISSISSIPPI STATE, MS 39762  
 USA  
 6623252406  
 Customer No. 264204      PO No. Credit Card

**Secondary Structure Calculations**

Lowest folding free energy (kcal/mole): -0.53 at 25 °C  
 Strongest Folding T<sub>m</sub>: 33.1 °C

**Notes**

EUK SSU (BASE 582)

**Oligo Base Types**

Quantity

DNA Bases

21

**Disclaimer**

See on reverse page notes (I) (II) & (III) for usage,  
 label license, and product warranties

**Modifications And Services**

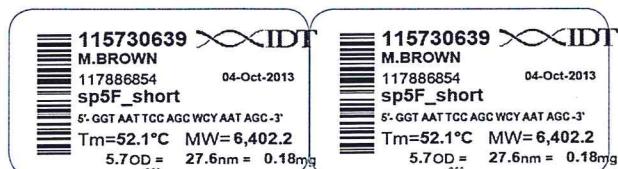
Quantity

Standard Desalting

1

FOUUM

Mfg. ID 117886854 Labels - Peel Here



**I N S T R U C T I O N S**

- Lyophilized contents may appear as either a translucent film or a white powder. This variance does not affect the quality of the oligo.

Please centrifuge tubes prior to opening. Some of the product may have been dislodged during shipping.



INTEGRATED DNA TECHNOLOGIES

## SPECIFICATION SHEET

WWW.IDTDNA.COM

04-Oct-2013

Order No. 10021365

Ref. No. 115730640

## Sequence - sp5F

25 nmole DNA Oligo, 24 bases

5'- GGT AAT TCC AGC WCY AAT AGC ATA -3'

Properties	Amount Of Oligo			Shipped To
Tm (50mM NaCl): 53.5 °C	9.5 =	39.5	= 0.29	MATTHEW BROWN
GC Content: 39.5%	OD 260	nMoles	mg	MISSISSIPPI STATE UNIVERSITY
Molecular Weight: 7,332.8				219 HARNED HALL
nmoles/OD260: 4.1				MISSISSIPPI STATE, MS 39762
ug/OD260: 30.4				USA
Ext. Coefficient: 241,400 L/(mole·cm)				6623252406
				Customer No. 264204 PO No. Credit Card

## Secondary Structure Calculations

Lowest folding free energy (kcal/mole): -0.53 at 25 °C  
 Strongest Folding Tm: 33.1 °C

## Notes

EUK SSU (BASE 582)

Oligo Base Types	Quantity
DNA Bases	24

## Disclaimer

See on reverse page notes (I) (II) &amp; (III) for usage, label license, and product warranties

Modifications And Services	Quantity
Standard Desalting	1

100µM

Mfg. ID 117886855 Labels - Peel Here



## INSTRUCTIONS

- Lyophilized contents may appear as either a translucent film or a white powder. This variance does not affect the quality of the oligo.

Please centrifuge tubes prior to opening. Some of the product may have been dislodged during shipping.

04-Oct-2013

Order No. **10021365**

Ref. No. **115730646**

**Sequence - sp5R**

**5'- TAT GCT ATT RGW GCT GGA ATT ACC -3'**

**25 nmole DNA Oligo, 24 bases**

**Properties**

Tm (50mM NaCl): 53.5 °C

GC Content: 39.5%

Molecular Weight: 7,370.3

nmoles/OD260: 4.3

ug/OD260: 31.8

Ext. Coefficient: 231,800 L/(mole·cm)

**Amount Of Oligo**

6.2 =	26.6	= 0.20
OD 260	nMoles	mg

**Shipped To**

MATTHEW BROWN

MISSISSIPPI STATE UNIVERSITY

219 HARNED HALL

MISSISSIPPI STATE, MS 39762

USA

6623252406

Customer No. 264204

PO No. Credit Card

**Notes**

EUK SSU (BASE 582)

**Secondary Structure Calculations**

Lowest folding free energy (kcal/mole): -0.38 at 25 °C

Strongest Folding Tm: 31.2 °C

**Oligo Base Types**

Quantity

DNA Bases

24

**Disclaimer**

See on reverse page notes (I) (II) & (III) for usage, label license, and product warranties

**Modifications And Services**

Quantity

Standard Desalting

1

Mfg. ID 117886861 Labels - Peel Here

100 uM



**I N S T R U C T I O N S**

- Lyophilized contents may appear as either a translucent film or a white powder. This variance does not affect the quality of the oligo

Please centrifuge tubes prior to opening. Some of the product may have been dislodged during shipping.

02-Oct-2013

Order No.

**10016775**

Ref. No.

**115663634**

**Sequence - 536R**

25 n mole DNA Oligo, 22 bases

**5'- GGA ATT ACC GCG GCT GCT GGC A -3'**

**Properties**

Tm (50mM NaCl): 64.9 °C

GC Content: 63.6%

Molecular Weight: 6,776.4

nmoles/OD260: 4.8

ug/OD260: 32.8

Ext. Coefficient: 206,300 L/(mole·cm)

**Amount Of Oligo**

6.9 = 33.3 = 0.23  
OD 260 nMoles mg

**Shipped To**

MATTHEW BROWN

MISSISSIPPI STATE UNIVERSITY

219 HARNED HALL

MISSISSIPPI STATE, MS 39762

USA

6623252406

Customer No. 264204 PO No. Credit Card

**Notes**

EUK SSU (BASE 589)

**Secondary Structure Calculations**

Lowest folding free energy (kcal/mole): -1.5 at 25 °C

Strongest Folding Tm: 43.7 °C

**Oligo Base Types**

	Quantity
NA Bases	22

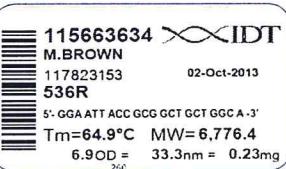
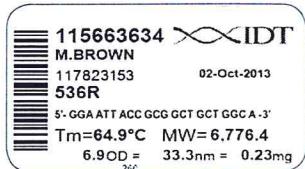
**Modifications And Services**

	Quantity
Standard Desalting	1

**Disclaimer**

See on reverse page notes (I) (II) & (III) for usage, label license, and product warranties

Mfg. ID 117823153 Labels - Peel Here



**I N S T R U C T I O N S**

- Lyophilized contents may appear as either a translucent film or a white powder. This variance does not affect the quality of the oligo

Please centrifuge tubes prior to opening. Some of the product may have been dislodged during shipping.

100 μM



INTEGRATED DNA TECHNOLOGIES

## SPECIFICATION SHEET

WWW.IDTDNA.COM

04-Oct-2013

Order No. 10021365

Ref. No. 115730638

## Sequence - sp4F

25 nmole DNA Oligo, 17 bases

5'- CAG ATA CCG TYG TAG TC -3'

## Properties

Tm (50mM NaCl): 47.3 °C

GC Content: 50. %

Molecular Weight: 5,177.9

nmoles/OD260: 6.0

ug/OD260: 31.2

Ext. Coefficient: 165,750 L/(mole·cm)

## Amount Of Oligo

$$\begin{array}{rcl} 4.8 = & 29.2 & = 0.15 \\ \text{OD 260} & \text{nMoles} & \text{mg} \end{array}$$

## Shipped To

MATTHEW BROWN

MISSISSIPPI STATE UNIVERSITY

219 HARNED HALL

MISSISSIPPI STATE, MS 39762

USA

6623252406

Customer No. 264204

PO No. Credit Card

## Notes

EUK SSU (BASE 1017)

## Disclaimer

See on reverse page notes (I) (II) &amp; (III) for usage, label license, and product warranties

## Oligo Base Types

## Quantity

DNA Bases

17

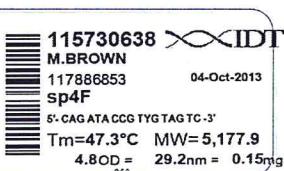
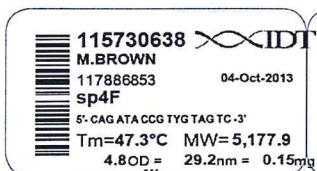
## Modifications And Services

## Quantity

Standard Desalting

1

Mfg. ID 117886853 Labels - Peel Here



100 μM

## INSTRUCTIONS

- Lyophilized contents may appear as either a translucent film or a white powder. This variance does not affect the quality of the oligo.

Please centrifuge tubes prior to opening. Some of the product may have been dislodged during shipping.



INTEGRATED DNA TECHNOLOGIES

## SPECIFICATION SHEET

WWW.IDTDNA.COM

04-Oct-2013

Order No. 10021365

115730645

Ref. No. 115730645

## **Sequence - sp4R**

25 nmole DNA Oligo, 17 bases

**5'- RGA CTA CGA CGG TAT CT -3'**

Properties	Amount Of Oligo			Shipped To
Tm (50mM NaCl): 49.2 °C	5.2	=	30.9	= 0.16
GC Content: 50. %	OD 260	nMoles	mg	
Molecular Weight: 5,202.4				MATTHEW BROWN
nmoles/OD260: 6.0				MISSISSIPPI STATE UNIVERSITY
ug/OD260: 31.0				219 HARNED HALL
Ext. Coefficient: 167,800 L/(mole·cm)				MISSISSIPPI STATE, MS 39762
				USA
				6623252406
				Customer No. 264204 PO No. Credit Card

## Secondary Structure Calculations

Strongest Folding T<sub>m</sub>: 24.5 °C

## Oligo Base Types

### Quantity

DNA Bases

17

### **Modifications And Services**

### Quantity

### Standard Desalting

1

Mfg. ID 117886860 | Labels - Peel Here

**I N S T R U C T I O N S**

Lyophilized contents may appear as either a translucent film or a white powder. This variance does not affect the quality of the oligo.

Please centrifuge tubes prior to opening. Some of the product may have been dislodged during shipping.

Please centrifuge tubes prior to opening. Some of the product may have been dislodged during shipping.

Please centrifuge tubes prior to opening. Some of the product may have been dislodged during shipping.

100 μm

## **Disclaimer**

See on reverse page notes (I) (II) & (III) for usage,  
label license, and product warranties

## **I N S T R U C T I O N S**

- Lyophilized contents may appear as either a translucent film or a white powder. This variance does not affect the quality of the oligo.

Please centrifuge tubes prior to opening. Some of the product may have been dislodged during shipping.



04-Oct-2013

Order No. 10021365

Ref. No. 115730643

**Sequence - 920R**

25 nmole DNA Oligo, 21 bases

**5'- CCG TCA ATT YCT TTA AGT TTC -3'****Properties**

*Tm* (50mM NaCl): 48.6 °C  
 GC Content: 35.7%  
 Molecular Weight: 6,329.7  
 nmoles/OD260: 5.3  
 ug/OD260: 33.3  
 Ext. Coefficient: 190,150 L/(mole·cm)

**Amount Of Oligo**

4.7 =	24.9	= 0.16
OD 260	nMoles	mg

**Shipped To**

MATTHEW BROWN  
 MISSISSIPPI STATE UNIVERSITY  
 219 HARNED HALL  
 MISSISSIPPI STATE, MS 39762  
 USA  
 6623252406  
 Customer No. 264204      PO No. Credit Card

**Secondary Structure Calculations**

Lowest folding free energy (kcal/mole): 1.35 at 25 °C  
 Strongest Folding *Tm*: -17.1 °C

**Notes**

EUK SSU (BASE 1146)

**Oligo Base Types**

## Quantity

DNA Bases

21

**Disclaimer**

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 label license, and product warranties

**Modifications And Services**

## Quantity

Standard Desalting

1

Mfg. ID 117886858 Labels - Peel Here

100  $\mu$ m**I N S T R U C T I O N S**

- Lyophilized contents may appear as either a translucent film or a white powder. This variance does not affect the quality of the oligo.
- Please centrifuge tubes prior to opening. Some of the product may have been dislodged during shipping.

02-Oct-2013

Order No. **10016775**

Ref. No. **115663633**

**Sequence - 960F**

**25 nmole DNA Oligo, 18 bases**

**5'- AAT TTG ACT CAA CAC GGG -3'**

**Properties**

Tm (50mM NaCl): 50.2 °C

GC Content: 44.4%

Molecular Weight: 5,507.6

nmoles/OD260: 5.6

ug/OD260: 30.9

Ext. Coefficient: 178,100 L/(mole·cm)

**Amount Of Oligo**

6.5 = 36.3 = 0.20  
OD 260 nMoles mg

**Shipped To**

MATTHEW BROWN

MISSISSIPPI STATE UNIVERSITY

219 HARNED HALL

MISSISSIPPI STATE, MS 39762

USA

6623252406

Customer No. 264204

PO No. Credit Card

**Notes**

EUK SSU (BASE 1200)

**Secondary Structure Calculations**

Lowest folding free energy (kcal/mole): 1.16 at 25 °C

Strongest Folding Tm: 2.4 °C

**Oligo Base Types**

Quantity

NA Bases

18

**Disclaimer**

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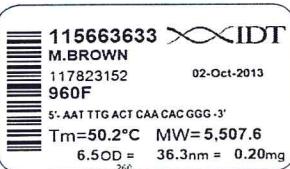
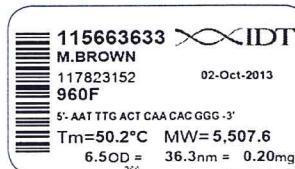
**Modifications And Services**

Quantity

Standard Desalting

1

Mfg. ID 117823152 Labels - Peel Here



**I N S T R U C T I O N S**

- Lyophilized contents may appear as either a translucent film or a white powder. This variance does not affect the quality of the oligo.

Please centrifuge tubes prior to opening. Some of the product may have been dislodged during shipping.



INTEGRATED DNA TECHNOLOGIES

## SPECIFICATION SHEET

WWW.IDTDNA.COM

04-Oct-2013

Order No. 10021365

Ref. No. 115730644

## Sequence - 960R

25 nmole DNA Oligo, 18 bases

5'- CCC GTG TTG AGT CAA ATT -3'

## Properties

Tm (50mM NaCl): 50.2 °C  
 GC Content: 44.4%  
 Molecular Weight: 5,489.6  
 nmoles/OD260: 5.9  
 ug/OD260: 32.2  
 Ext. Coefficient: 170,700 L/(mole·cm)

## Amount Of Oligo

4.9 =	28.9	= 0.16
OD 260	nMoles	mg

## Shipped To

MATTHEW BROWN  
 MISSISSIPPI STATE UNIVERSITY  
 219 HARNED HALL  
 MISSISSIPPI STATE, MS 39762  
 USA  
 6623252406  
 Customer No. 264204      PO No. Credit Card

## Secondary Structure Calculations

Lowest folding free energy (kcal/mole): 0.79 at 25 °C  
 Strongest Folding Tm: 1.9 °C

## Notes

EUK SSU (BASE 1200)

## Oligo Base Types

## Quantity

DNA Bases

18

## Disclaimer

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 label license, and product warranties

## Modifications And Services

## Quantity

Standard Desalting

1

Mfg. ID 117886859 Labels - Peel Here

1000M



## INSTRUCTIONS

- Lyophilized contents may appear as either a translucent film or a white powder. This variance does not affect the quality of the oligo.

Please centrifuge tubes prior to opening. Some of the product may have been dislodged during shipping.

04-Oct-2013

Order No. **10021365**

Ref. No. **115730634**

**Sequence - 1055F**

**25 nmole DNA Oligo, 15 bases**

**5'- GGT GGT GCA TGG CCG -3'**

**Properties**

Tm (50mM NaCl): 57.6 °C  
 GC Content: 73.3%  
 Molecular Weight: 4,665.0  
 nmoles/OD260: 7.1  
 ug/OD260: 33.1  
 Ext. Coefficient: 140,900 L/(mole·cm)

**Amount Of Oligo**

4.2 = 30.1 = 0.14  
 OD 260 nMoles mg

**Shipped To**

MATTHEW BROWN  
 MISSISSIPPI STATE UNIVERSITY  
 219 HARNED HALL  
 MISSISSIPPI STATE, MS 39762  
 USA  
 6623252406  
 Customer No. 264204 PO No. Credit Card

**Secondary Structure Calculations**

Lowest folding free energy (kcal/mole): -0.08 at 25 °C  
 Strongest Folding Tm: 26.4 °C

**Notes**

EUK SSU (BASE 1284)

**Oligo Base Types**

Quantity

DNA Bases

15

**Disclaimer**

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**Modifications And Services**

Quantity

Standard Desalting

1

Mfg. ID 117886849 Labels - Peel Here

180 μM



**I N S T R U C T I O N S**

- Lyophilized contents may appear as either a translucent film or a white powder. This variance does not affect the quality of the oligo

Please centrifuge tubes prior to opening. Some of the product may have been dislodged during shipping.



INTEGRATED DNA TECHNOLOGIES

## SPECIFICATION SHEET

WWW.IDTDNA.COM

02-Oct-2013

Order No.

10016775

Ref. No.

115663635

Sequence - 1055R

25 nmole DNA Oligo, 15 bases

5'- CGG CCA TGC ACC ACC -3'

## Properties

Tm (50mM NaCl): 57.6 °C

GC Content: 73.3%

Molecular Weight: 4,483.0

nmoles/OD260: 7.5

ug/OD260: 33.8

Ext. Coefficient: 132,600 L/(mole·cm)

## Amount Of Oligo

4.0 = 29.8 = 0.13  
OD 260 nMoles mg

## Secondary Structure Calculations

Lowest folding free energy (kcal/mole): -0.22 at 25 °C

Strongest Folding Tm: 28.3 °C

## Oligo Base Types

## Quantity

DNA Bases

15

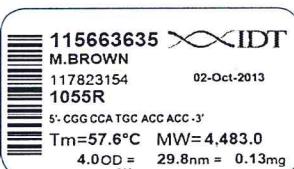
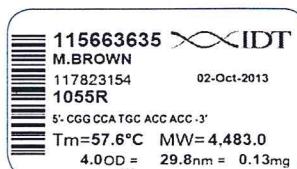
## Modifications And Services

## Quantity

Standard Desalting

1

Mfg. ID 117823154 Labels - Peel Here



## I N S T R U C T I O N S

- Lyophilized contents may appear as either a translucent film or a white powder. This variance does not affect the quality of the oligo

Please centrifuge tubes prior to opening. Some of the product may have been dislodged during shipping.

## Shipped To

MATTHEW BROWN

MISSISSIPPI STATE UNIVERSITY

219 HARNED HALL

MISSISSIPPI STATE, MS 39762

USA

6623252406

Customer No. 264204

PO No. Credit Card

## Notes

EUK SSU (BASE 1284)

## Disclaimer

See on reverse page notes (I) (II) & (III) for usage, label license, and product warranties

100 μM

04-Oct-2013

Order No. 10021365

Ref. No. 115730635

**Sequence - 1200F****5'- ACA GGT CTG TGA TGC CC -3'****25 nmole DNA Oligo, 17 bases****Properties**

*T<sub>m</sub>* (50mM NaCl): 54.6 °C  
 GC Content: 58.8%  
 Molecular Weight: 5,186.4  
 nmoles/OD260: 6.3  
 ug/OD260: 32.5  
 Ext. Coefficient: 159,500 L/(mole·cm)

**Amount Of Oligo**

4.1 = 25.5 = 0.13  
 OD 260 nMoles mg

**Shipped To**

MATTHEW BROWN  
 MISSISSIPPI STATE UNIVERSITY  
 219 HARNED HALL  
 MISSISSIPPI STATE, MS 39762  
 USA  
 6623252406  
 Customer No. 264204      PO No. Credit Card

**Secondary Structure Calculations**

Lowest folding free energy (kcal/mole): -0.85 at 25 °C  
 Strongest Folding *T<sub>m</sub>*: 36.8 °C

**Notes**

EUK SSU (BASE 1445)

**Oligo Base Types**

## Quantity

DNA Bases

17

**Disclaimer**

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 label license, and product warranties

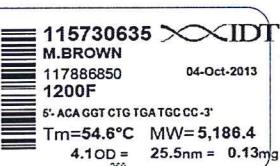
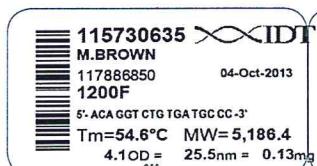
**Modifications And Services**

## Quantity

Standard Desalting

1

Mfg. ID 117886850 Labels - Peel Here

**I N S T R U C T I O N S**

- Lyophilized contents may appear as either a translucent film or a white powder. This variance does not affect the quality of the oligo.
- Please centrifuge tubes prior to opening. Some of the product may have been dislodged during shipping.



INTEGRATED DNA TECHNOLOGIES

## SPECIFICATION SHEET

WWW.IDTDNA.COM

04-Oct-2013

Order No. 10021365

Ref. No. 115730648

## Sequence - 1200R

5'- AGG GCA TCA CAG ACC TG -3'

25 nmole DNA Oligo, 17 bases

## Properties

Tm (50mM NaCl): 54.3 °C

GC Content: 58.8%

Molecular Weight: 5,204.4

nmoles/OD260: 6.0

ug/OD260: 31.0

Ext. Coefficient: 167,800 L/(mole·cm)

## Amount Of Oligo

4.3 = 25.4 = 0.13  
OD 260 nMoles mg

## Shipped To

MATTHEW BROWN  
MISSISSIPPI STATE UNIVERSITY  
219 HARNED HALL  
MISSISSIPPI STATE, MS 39762  
USA  
6623252406  
Customer No. 264204

PO No. Credit Card

## Secondary Structure Calculations

Lowest folding free energy (kcal/mole): -0.22 at 25 °C

Strongest Folding Tm: 28.2 °C

## Notes

EUK SSU (BASE 1445)

## Oligo Base Types

## Quantity

DNA Bases

17

## Disclaimer

See on reverse page notes (I) (II) & (III) for usage,  
label license, and product warranties

## Modifications And Services

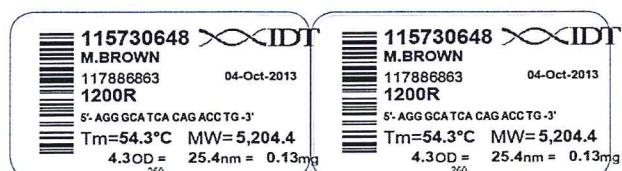
## Quantity

Standard Desalting

1

Mfg. ID 117886863 Labels - Peel Here

100 μM



## INSTRUCTIONS

- Lyophilized contents may appear as either a translucent film or a white powder. This variance does not affect the quality of the oligo.
- Please centrifuge tubes prior to opening. Some of the product may have been dislodged during shipping.



INTEGRATED DNA TECHNOLOGIES

SPECIFICATION SHEET

04-Oct-2013

WWW.IDTDNA.COM

Order No. 10021365

Ref. No. 115730636

Sequence - 1400F

25 nmole DNA Oligo, 20 bases

5'- TTG TAC ACA CCG CCC GTC GC -3'

**Properties**

*Tm* (50mM NaCl): 62.9 °C  
 GC Content: 65. %  
 Molecular Weight: 6,013.9  
*nmoles/OD260*: 5.7  
*ug/OD260*: 34.0  
*Ext. Coefficient*: 176,900 L/(mole·cm)

**Amount Of Oligo**

5.3 =	30.0	= 0.18
OD 260	nMoles	mg

**Shipped To**

MATTHEW BROWN  
 MISSISSIPPI STATE UNIVERSITY  
 219 HARNED HALL  
 MISSISSIPPI STATE, MS 39762  
 USA  
 6623252406  
 Customer No. 264204      PO No. Credit Card

**Secondary Structure Calculations**

Lowest folding free energy (kcal/mole): -0.37 at 25 °C  
 Strongest Folding *Tm*: 31.1 °C

**Notes**

EUK SSU (BASE 1652)

**Oligo Base Types**

## Quantity

DNA Bases	20
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 label license, and product warranties

**Modifications And Services**

## Quantity

Standard Desalting	1
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100 μM

Mfg. ID 117886851 Labels - Peel Here

115730636	IDT	115730636	IDT
M.BROWN		M.BROWN	
117886851	04-Oct-2013	117886851	04-Oct-2013
1400F		1400F	
5'-TTG TAC ACA CCG CCC GTC GC -3'		5'-TTG TAC ACA CCG CCC GTC GC -3'	
Tm=62.9°C	MW=6,013.9	Tm=62.9°C	MW=6,013.9
5.3 OD = 30.0 nm = 0.18 mg		5.3 OD = 30.0 nm = 0.18 mg	

**I N S T R U C T I O N S**

- Lyophilized contents may appear as either a translucent film or a white powder. This variance does not affect the quality of the oligo.

Please centrifuge tubes prior to opening. Some of the product may have been dislodged during shipping.

02-Oct-2013

Order No. **10016775**

Ref. No. **115663636**

**Sequence - 1400R**

**25 nmole DNA Oligo, 18 bases**

**5'- GCG ACG GGC GGT GTG TAC -3'**

#### Properties

Tm (50mM NaCl): 61.9 °C

GC Content: 72.2%

Molecular Weight: 5,596.7

nmoles/OD260: 5.8

ug/OD260: 32.6

Ext. Coefficient: 171,900 L/(mole·cm)

#### Amount Of Oligo

6.1 =	35.4	= 0.20
OD 260	nMoles	mg

#### Shipped To

MATTHEW BROWN

MISSISSIPPI STATE UNIVERSITY

219 HARNED HALL

MISSISSIPPI STATE, MS 39762

USA

6623252406

Customer No. 264204

PO No. Credit Card

#### Notes

EUK SSU (BASE 1652)

#### Secondary Structure Calculations

Lowest folding free energy (kcal/mole): -1.03 at 25 °C

Strongest Folding Tm: 39.0 °C

#### Oligo Base Types

	Quantity
NA Bases	18

#### Modifications And Services

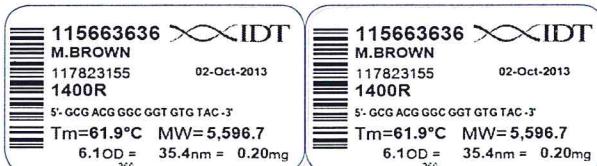
	Quantity
Standard Desalting	1

Mfg. ID 117823155 Labels - Peel Here

100 μM

#### Disclaimer

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#### INSTRUCTIONS

- Lyophilized contents may appear as either a translucent film or a white powder. This variance does not affect the quality of the oligo

Please centrifuge tubes prior to opening. Some of the product may have been dislodged during shipping.

5'-AAG TCG TAA CAA GGT -3'  
 43.1 °C Tm = 4,625.1 MW  
 4.9 OD<sub>260</sub> = 30.6 nm = 0.14 mg  
 15 bases

## SPECIFICATION SHEET

04-Oct-2013

WWW.IDTDNA.COM

Order No. **10021365**

Ref. No. **115730637**

**Sequence - 1492F**

**5'- AAG TCG TAA CAA GGT -3'**

Properties	Amount Of Oligo			Shipped To
Tm (50mM NaCl): 43.1 °C	4.9 =	30.6	= 0.14	MATTHEW BROWN
GC Content: 40. %	OD 260	nMoles	mg	MISSISSIPPI STATE UNIVERSITY
Molecular Weight: 4,625.1				219 HARNED HALL
nmoles/OD260: 6.3				MISSISSIPPI STATE, MS 39762
ug/OD260: 29.2				USA
Ext. Coefficient: 158,600 L/(mole·cm)				6623252406
				Customer No. 264204 PO No. Credit Card

### Secondary Structure Calculations

Lowest folding free energy (kcal/mole): 0.01 at 25 °C

Strongest Folding Tm: 24.8 °C

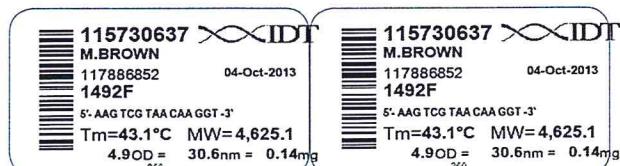
Oligo Base Types	Quantity
DNA Bases	15

### Disclaimer

See on reverse page notes (I) (II) & (III) for usage, label license, and product warranties

Modifications And Services	Quantity
Standard Desalting	1

Mfg. ID 117886852 Labels - Peel Here



### I N S T R U C T I O N S

- Lyophilized contents may appear as either a translucent film or a white powder. This variance does not affect the quality of the oligo.
- Please centrifuge tubes prior to opening. Some of the product may have been dislodged during shipping.



02-Oct-2013

WWW.IDTDNA.COM

Order No.

**10016775**

Ref. No.

**115663637****Sequence - 1492R****25 nmole DNA Oligo, 15 bases****5'- ACC TTG TTA CGA CTT -3'****Properties****T<sub>m</sub> (50mM NaCl): 43.1 °C****GC Content: 40. %****Molecular Weight: 4,518.0****nmoles/OD260: 7.3****ug/OD260: 32.8****Ext. Coefficient: 137,700 L/(mole·cm)****Amount Of Oligo**4.5 = 32.5 = 0.15  
OD 260 nMoles mg**Secondary Structure Calculations****Lowest folding free energy (kcal/mole): 0.11 at 25 °C****Strongest Folding T<sub>m</sub>: 23.5 °C****Oligo Base Types****Quantity**

DNA Bases

15

**Modifications And Services****Quantity**

Standard Desalting

1

**Shipped To**

MATTHEW BROWN

MISSISSIPPI STATE UNIVERSITY

219 HARNED HALL

MISSISSIPPI STATE, MS 39762

USA

6623252406

Customer No. 264204

PO No. Credit Card

**Notes**

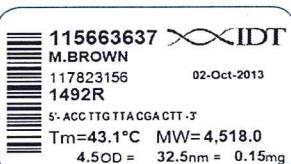
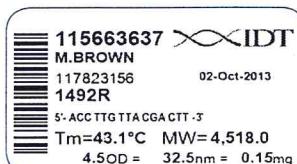
EUK SSU (BASE 1782)

**Disclaimer**

See on reverse page notes (I) (II) &amp; (III) for usage, label license, and product warranties

100 μM

Mfg. ID 117823156 Labels - Peel Here

**I N S T R U C T I O N S**

- Lyophilized contents may appear as either a translucent film or a white powder. This variance does not affect the quality of the oligo

Please centrifuge tubes prior to opening. Some of the product may have been dislodged during shipping.

02-Oct-2013

Order No. **10016775**

Ref. No. **115663638**

**Sequence - RibBR**

25 nmole DNA Oligo, 20 bases

**5'- GAT CCT TCT GCA GGT TCA CC -3'**

**Properties**

Tm (50mM NaCl): 55.6 °C

GC Content: 55. %

Molecular Weight: 6,044.0

nmoles/OD260: 5.6

ug/OD260: 33.7

Ext. Coefficient: 179,300 L/(mole·cm)

**Amount Of Oligo**

5.8 =	32.5	=	0.20
OD 260	nMoles	mg	

**Shipped To**

MATTHEW BROWN

MISSISSIPPI STATE UNIVERSITY

219 HARNED HALL

MISSISSIPPI STATE, MS 39762

USA

6623252406

Customer No. 264204

PO No. Credit Card

**Secondary Structure Calculations**

Lowest folding free energy (kcal/mole): -1.02 at 25 °C

Strongest Folding Tm: 37.3 °C

**Notes**

EUK SSU 3' PRIMER (BASE 1804) REVERSE

**Oligo Base Types**

Quantity

DNA Bases

20

**Disclaimer**

See on reverse page notes (I) (II) & (III) for usage, label license, and product warranties

**Modifications And Services**

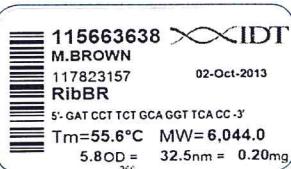
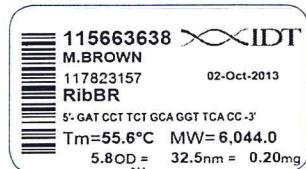
Quantity

Standard Desalting

1

PO Box M

Mfg. ID 117823157 Labels - Peel Here



**I N S T R U C T I O N S**

- Lyophilized contents may appear as either a translucent film or a white powder. This variance does not affect the quality of the oligo

Please centrifuge tubes prior to opening. Some of the product may have been dislodged during shipping.

02-Oct-2013

Order No.

**10016775**

Ref. No.

**115663639**
**Sequence - MedlinB**

25 n mole DNA Oligo, 39 bases

**5'- CCC GGG ATC CAA GCT TGA TCC TTC TGC AGG TTC ACC TAC -3'**
**Properties**

Tm.(50mM NaCl): 68.6 °C

GC Content: 56.4%

Molecular Weight: 11,854.7

nmoles/OD260: 2.8

ug/OD260: 33.7

Ext. Coefficient: 352,200 L/(mole·cm)

**Amount Of Oligo**

 10.2 = 29.0 = 0.34  
 OD 260 nMoles mg

**Shipped To**

MATTHEW BROWN

MISSISSIPPI STATE UNIVERSITY

219 HARNED HALL

MISSISSIPPI STATE, MS 39762

USA

6623252406

Customer No. 264204

PO No. Credit Card

**Notes**

EUK SSU 3' PRIMER (BASE 1804) REVERSE

**Oligo Base Types**

## Quantity

DNA Bases

39

**Modifications And Services**

## Quantity

Standard Desalting

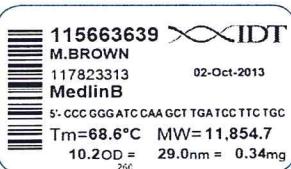
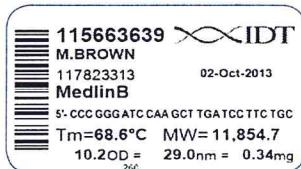
1

**Disclaimer**

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 label license, and product warranties

100uM

Mfg. ID 117823313 Labels - Peel Here


**I N S T R U C T I O N S**

- Lyophilized contents may appear as either a translucent film or a white powder. This variance does not affect the quality of the oligo.

Please centrifuge tubes prior to opening. Some of the product may have been dislodged during shipping.





INTEGRATED DNA TECHNOLOGIES

## SPECIFICATION SHEET

WWW.IDTDNA.COM

21-Oct-2013

Order No. 10050056

Ref. No. 116131553

## Sequence - Oligo-dT

25 nmole DNA Oligo, 57 bases

5'- AAG CAG TGG TAT CAA CGC AGA GTA CTT TTT TTT TTT TTT TTT TTT TVN -3'

## Properties

Tm (50mM NaCl): 63.1 °C

GC Content: 23.0%

Molecular Weight: 17,469.4

nmoles/OD260: 1.9

ug/OD260: 33.6

Ext. Coefficient: 520,413 L/(mole·cm)

## Amount Of Oligo

16.6 = 32.0 = 0.56  
OD 260 nMoles mg

## Shipped To

MATTHEW BROWN  
MISSISSIPPI STATE UNIVERSITY  
219 HARNED HALL  
MISSISSIPPI STATE, MS 39762  
USA  
6623252406  
Customer No. 264204

PO No. Credit Card

## Secondary Structure Calculations

Lowest folding free energy (kcal/mole): -0.11 at 25 °C

Strongest Folding Tm: 26.6 °C

## Oligo Base Types

## Quantity

NA Bases

57

## Notes

ANCHORED OLIGO-DT (PICELLI ET AL. 2013,  
SMART-SEQ2)

## Modifications And Services

## Quantity

Standard Desalting

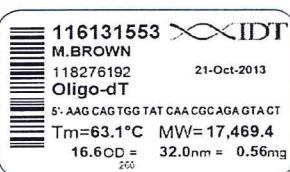
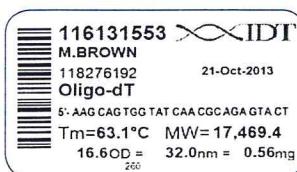
1

## Disclaimer

See on reverse page notes (I) (II) & (III) for usage,  
label license, and product warrantiesResuspend in 320 uL D<sub>2</sub>H<sub>2</sub>O

Mfg. ID 118276192

Labels - Peel Here



## INSTRUCTIONS

- Lyophilized contents may appear as either a translucent film or a white powder. This variance does not affect the quality of the oligo.
- Please centrifuge tubes prior to opening. Some of the product may have been dislodged during shipping.

21-Oct-2013

Order No. **10050056**

Ref. No. **116131554**

**Sequence - ISPCR**

25 nmole DNA Oligo, 23 bases

**5'- AAG CAG TGG TAT CAA CGC AGA GT -3'**

**Properties**

Tm (50mM NaCl): 58.6 °C  
 GC Content: 47.8%  
 Molecular Weight: 7,121.7  
 nmoles/OD260: 4.2  
 ug/OD260: 30.0  
 Ext. Coefficient: 237,000 L/(mole·cm)

**Amount Of Oligo**

7.4 = 31.2 = 0.22  
 OD 260 nMoles mg

**Shipped To**

MATTHEW BROWN  
 MISSISSIPPI STATE UNIVERSITY  
 219 HARNED HALL  
 MISSISSIPPI STATE, MS 39762  
 USA  
 6623252406  
 Customer No. 264204      PO No. Credit Card

**Secondary Structure Calculations**

Lowest folding free energy (kcal/mole): -0.11 at 25 °C  
 Strongest Folding Tm: 26.6 °C

**Oligo Base Types**

Quantity

NA Bases

23

**Notes**

SECOND STRAND OLIGO (PICELLI ET AL. 2013,  
 SMART-SEQ2)

**Modifications And Services**

Quantity

Standard Desalting

1

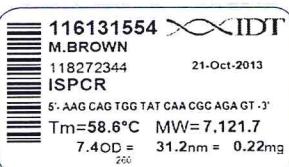
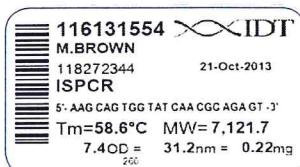
**Disclaimer**

See on reverse page notes (I) (II) & (III) for usage,  
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Resuspend in 312 μl D<sub>2</sub>H<sub>2</sub>O

Mfg. ID 118272344

Labels - Peel Here



**I N S T R U C T I O N S**

- Lyophilized contents may appear as either a translucent film or a white powder. This variance does not affect the quality of the oligo
- Please centrifuge tubes prior to opening. Some of the product may have been dislodged during shipping.



INTEGRATED DNA TECHNOLOGIES

## SPECIFICATION SHEET

WWW.IDTDNA.COM

10-Nov-2013

Order No.

10086343

Ref. No.

116666612

## Sequence - IlluminaF

25 n mole DNA Oligo, 17 bases

5'- AAT GAT ACG GCG ACC AC -3'

## Properties

Tm (50mM NaCl): 52.2 °C

GC Content: 52.9%

Molecular Weight: 5,188.4

nmoles/OD260: 5.9

ug/OD260: 30.4

Ext. Coefficient: 170,400 L/(mole·cm)

## Amount Of Oligo

5.9 =	34.8	=	0.18
OD 260	nMoles		mg

## Shipped To

MATTHEW BROWN

MISSISSIPPI STATE UNIVERSITY

219 HARNED HALL

MISSISSIPPI STATE, MS 39762

USA

6623252406

Customer No. 264204

PO No. Credit Card

## Notes

UNIVERSAL F PRIMER FOR ILLUMINA

## Oligo Base Types

## Quantity

DNA Bases

17

## Disclaimer

See on reverse page notes (I) (II) & (III) for usage,  
label license, and product warranties

## Modifications And Services

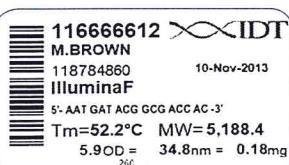
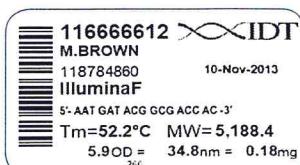
## Quantity

Standard Desalting

1

Diluted in  
 348 uL 10 mM Tris HCL

Mfg. ID 118784860 Labels - Peel Here



## I N S T R U C T I O N S

- Lyophilized contents may appear as either a translucent film or a white powder. This variance does not affect the quality of the oligo
- Please centrifuge tubes prior to opening. Some of the product may have been dislodged during shipping.

10-Nov-2013

Order No.

**10086343**

Ref. No.

**116666613**

**Sequence - IlluminaR**

**25 nmole DNA Oligo, 17 bases**

**5'- CAA GCA GAA GAC GGC AT -3'**

**Properties**

Tm (50mM NaCl): 52.7 °C

GC Content: 52.9%

Molecular Weight: 5,237.5

nmoles/OD260: 5.7

ug/OD260: 29.9

Ext. Coefficient: 175,100 L/(mole·cm)

**Amount Of Oligo**

5.8 =	33.0	= 0.17
OD 260	nMoles	mg

**Shipped To**

MATTHEW BROWN

MISSISSIPPI STATE UNIVERSITY

219 HARNED HALL

MISSISSIPPI STATE, MS 39762

USA

6623252406

Customer No. 264204

PO No. Credit Card

**Notes**

UNIVERSAL R PRIMER FOR ILLUMINA

**Oligo Base Types**

Quantity

DNA Bases

17

**Disclaimer**

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**Modifications And Services**

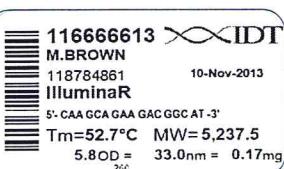
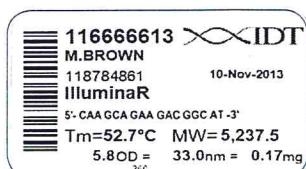
Quantity

Standard Desalting

1

Diluted in 330 μL 10 mM Tris-HCl

Mfg. ID 118784861 Labels - Peel Here



**I N S T R U C T I O N S**

- Lyophilized contents may appear as either a translucent film or a white powder. This variance does not affect the quality of the oligo

Please centrifuge tubes prior to opening. Some of the product may have been dislodged during shipping.