

02-Feb-2021

Order No. **17396196**

Ref. No. **292784687**

Sequence - 16S - 806RB

100 nmole DNA Oligo, 54 bases

**5'- GTC TCG TGG GCT CGG AGA TGT GTA TAA GAG ACA GGG ACT ACN VGG GTW TCT AAT -3'**

#### Properties

*T<sub>m</sub>* (50mM NaCl)\*: 68.8 °C  
GC Content: 50.3%  
Molecular Weight: 16,818.5  
nmoles/OD260: 1.9  
ug/OD260: 31.4  
Ext. Coefficient: 536,413 L/(mole·cm)

#### Amount Of Oligo

45.3 = 84.5 = 1.42  
OD<sub>260</sub> nmoles mg  
For 100 µM: add 845 µL

#### Shipped To

HOLLIE PUTNAM  
UNIVERSITY OF RHODE ISLAND  
120 FLAGG RD  
KINGSTON, RI 02881  
USA  
4018749510  
Customer No. 446457 PO No. Holo Int  
0006724

#### Secondary Structure Calculations

Lowest folding free energy (kcal/mole): -2.30 at 25 °C  
Strongest Folding *T<sub>m</sub>*: 35.2 °C

#### Oligo Base Types

DNA Bases

Quantity

54

#### Modifications and Services

Standard Desalting

Quantity

1

#### Disclaimer

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

Mfg. ID 370755973

**292784687** IDT  
H.PUTNAM  
370755973 02-Feb-2021  
**16S - 806RB**  
5'-GTC TCG TGG GCT CGG AGA TGT GTA TAA  
GAG ACA GGG ACT ACN VGG GTW TCT AAT-3'  
MW = 16,818.5g/mol *T<sub>m</sub>* = 68.8 °C  
45.3 OD = 84.5nmol= 1.42mg

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## 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.

\*The *T<sub>m</sub>* shown takes no account of Mg<sup>2+</sup> and dNTP concentrations. Use the  
OligoAnalyzer® Program at [www.idtdna.com/scitools](http://www.idtdna.com/scitools) to calculate accurate *T<sub>m</sub>* for  
your reaction conditions.

M

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