

15-Mar-2022

Order No.

Ref. No.

Sequence - 388F

100 nmole DNA Oligo, 52 bases

5'- TCG TCG GCA GCG TCA GAT GTG TAT AAG AGA CAG ACT CCT ACG GGA GGC AGC A -3'

#### Properties

*T<sub>m</sub>* (50mM NaCl)\*: 71.6 °C  
GC Content: 55.8%  
Molecular Weight: 16,127.5  
nmol/OD260: 1.9  
µg/OD260: 31.2  
Ext. Coefficient: 516,300 L/(mole·cm)

#### Amount Of Oligo

42.6 = 82.6 = 1.33  
OD<sub>260</sub> nmol mg  
For 100 µM: add 826 µL

#### Shipped To

HOLLIE PUTNAM  
UNIVERSITY OF RHODE ISLAND

#### Secondary Structure Calculations

Lowest folding free energy (kcal/mole): -4.19 at 25 °C  
Strongest Folding *T<sub>m</sub>*: 45.8 °C

#### Oligo Base Types

DNA Bases Quantity

52

#### Modifications and Services

Standard Desalting 1

#### Disclaimer

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

Mfg. ID 464629195

328104851 IDT  
H.PUTNAM  
464629195 15-Mar-2022  
388F  
5'-TCG TCG GCA GCG TCA GAT GTG TAT AAG  
AGA CAG ACT CCT ACG GGA GGC AGC A-3'  
MW = 16,127.5g/mol *T<sub>m</sub>* = 71.6 °C  
42.6 OD = 82.6 nmol = 1.33 mg

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42.6 OD = 82.6 nmol = 1.33 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.

\*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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