

02-Feb-2021

Order No.

Ref. No.

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_m (50mM NaCl)*: 68.8 °C
GC Content: 50.3%
Molecular Weight: 16,818.5
nmol/OD260: 1.9
µg/OD260: 31.4
Ext. Coefficient: 536,413 L/(mol·cm)

Amount Of Oligo

45.3 = 84.5 = 1.42
OD₂₆₀ nmol mg
For 100 µM: add 845 µL

Shipped To

HOLLIE PUTNAM
UNIVERSITY OF RHODE ISLAND

Secondary Structure Calculations

Lowest folding free energy (kcal/mole): -2.30 at 25 °C
Strongest Folding *T_m*: 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_m* = 68.8 °C
45.3 OD = 84.5 nmol = 1.42 mg

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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_m* = 68.8 °C
45.3 OD = 84.5 nmol = 1.42 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.

*The *T_m* shown takes no account of Mg²⁺ and dNTP concentrations. Use the OligoAnalyzer® Program at www.idtdna.com/scitools to calculate accurate *T_m* for your reaction conditions.

M

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