

06-May-2022

Order No. **18523942**

Ref. No. **405432305**

Sequence - jgHCO2198

25 nmole DNA Oligo, 57 bases

**5'- GTC TCG TGG GCT CGG AGA TGT GTA TAA GAG ACA GTA /ideoxyl/AC YTC /ideoxyl/GG
RTG /ideoxyl/CC RAA RAA YCA -3'**

Properties

T_m (50mM NaCl)*: 71.2 °C
 GC Content: 47.5%
 Molecular Weight: 18,641.1
 nmoles/OD260: 1.7
 ug/OD260: 30.9
 Ext. Coefficient: 602,600 L/(mole·cm)

Amount Of Oligo

11.6 = 19.3 = 0.36
 OD₂₆₀ nmoles mg
 For 100 µM: add 193 µL

Shipped To

MEGHAN SHEA
 STANFORD FUNCTIONAL GENOMICS C
 Y2E2 (04-070), ROOM 161
 STANFORD, CA 94309
 USA
 6103507975
 Customer No. 558273 PO No. 62212316

Secondary Structure Calculations

Lowest folding free energy (kcal/mole): -1.98 at 25 °C
 Strongest Folding T_m: 39.2 °C

Oligo Base Types

DNA Bases Quantity
 57

Modifications and Services

Standard Desalting 1
 Int deoxyinosine 3

Disclaimer

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

Mfg. ID 63137353

 <p>405432305 M.SHEA 63137353 06-May-2022 jgHCO2198 5'-GTC TCG TGG GCT CGG AGA TGT GTA TAA GAG ACA GTA /ideoxyl/AC YTC /ideoxyl/GG RTG.// MW = 18,641.1g/mol T_m = 71.2 °C 11.6 OD = 19.3 nmol = 0.36 mg</p>	 <p>405432305 M.SHEA 63137353 06-May-2022 jgHCO2198 5'-GTC TCG TGG GCT CGG AGA TGT GTA TAA GAG ACA GTA /ideoxyl/AC YTC /ideoxyl/GG RTG.// MW = 18,641.1g/mol T_m = 71.2 °C 11.6 OD = 19.3 nmol = 0.36 mg</p>
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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_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.

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