

OLIGONUCLEOTIDE SPECIFICATION SHEET

24-May-2024

Order No. 20332113

Ref. No. 482763761

Sequence - supergene_long_R

25 nmole DNA Oligo, 27 bases

5'- CTT CCA TAC TTT AAC TTC ATG AGA ACA -3'

Properties

Amount Of Oligo

Shipped To

Tm (50mM NaCl)*: 53.3 °C

GC Content: 33.3%

Molecular Weight: 8,177.4 nmoles/OD260: 3.9

ug/OD260: 31.5

Ext. Coefficient: 259,700 L/(mole·cm)

100μM in 277μL IDTE Buffer pH 8.0 YAAMINI VENKATARAMAN

WOODS HOLE OCEANOGRAPHIC INSTI

266 WOODS HOLE RD STOP 33 WOODS HOLE, MA 02543-1535

USA

4085043603

Customer No. 630675 PO No. Credit Card

Secondary Structure Calculations

Lowest folding free energy (kcal/mole): -0.56 at 25 $^{\circ}\text{C}$ Strongest Folding Tm: 33.6 $^{\circ}\text{C}$

Oligo Base Types	Quantity
DNA bases	27
Modifications and Services	Quantity
LabReady (Normalized to 100μM in IDTE pH 8.0)	1
Standard Desalting	1

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

Mfg. ID 404759242





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

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