

OLIGONUCLEOTIDE SPECIFICATION SHEET

15985301 Order No. 15-May-2019

> 212474132 Ref. No.

Sequence - DJA2 CTDI R

25 nmole DNA Oligo, 45 bases

5'- GCC ATT TCG ACT TCT ACT CTG ATT AGC ATT GGA TTG GAA GTA CAG -3'

Properties

Amount Of Oligo 14.4=

OD₂₆₀

33.5

nmoles

For 100 μ M: add 335 μ L

= 0.46

mg

Shipped To

Tm (50mM NaCI)*: 64.2 °C GC Content: 42.2% Molecular Weight: 13,841

nmoles/OD260: 2.3 ug/OD260: 32.1

Ext. Coefficient: 431,500 L/(mole·cm)

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Secondary Structure Calculations

Lowest folding free energy (kcal/mole): -1.43 at 25 $^{\circ}\text{C}$ Strongest Folding Tm: 36.7 °C

| Oligo Base Types | Quantity |
|-----------------------------------|----------|
| DNA Bases | 45 |
| Modifications and Services | Quantity |
| Standard Desalting | 1 |

Disclaimer

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

Mfg. ID 54840945





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 Mg^{2+} and dNTP concentrations. Use the OligoAnalyzer® Program at www.idtdna.com/scitools to calculate accurate Tm for your reaction conditions.

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