

17-Oct-2022

Order No. **18922250**

Ref. No. **421362344**

Sequence - KROL584 BioSamA_v2

100 nmole DNA Oligo, 27 bases

5'- /5BiotinTEG/AAG ACG GCA TAC GAG ATT ACG AAG ACC -3'

Properties

T_m (50mM NaCl)*: 59.9 °C
GC Content: 48.1%
Molecular Weight: 8,817
nmoles/OD260: 3.6
ug/OD260: 31.4
Ext. Coefficient: 281,200 L/(mole·cm)

Amount Of Oligo

6.9 = 24.4 = 0.22
OD₂₆₀ nmoles mg
For 100 µM: add 244 µL

Shipped To

KATHRYN RAMSEY
UNIVERSITY OF RHODE ISLAND
7 GREENHOUSE RD
KINGSTON, RI 02881-2018
USA
4018742932
Customer No. 503562 PO No. Credit Card

Secondary Structure Calculations

Lowest folding free energy (kcal/mole): -1.92 at 25 °C
Strongest Folding *T_m*: 52.1 °C
Secondary structure should not affect yield or purity for this oligo.

Oligo Base Types

DNA bases 27

Modifications and Services

HPLC Purification 1
5' Biotin-TEG 1

Disclaimer

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

Mfg. ID 513923697

 421362344 K.RAMSEY 513923697 17-Oct-2022 KROL584 BioSamA_v2 5'-/5BiotinTEG/AAG ACG GCA TAC GAG ATT ACG AAG ACC-3' MW = 8,817.0g/mol <i>T_m</i> = 59.9 °C 6.9 OD = 24.4 nmol = 0.22 mg	 421362344 K.RAMSEY 513923697 17-Oct-2022 KROL584 BioSamA_v2 5'-/5BiotinTEG/AAG ACG GCA TAC GAG ATT ACG AAG ACC-3' MW = 8,817.0g/mol <i>T_m</i> = 59.9 °C 6.9 OD = 24.4 nmol = 0.22 mg
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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.

M

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