Order No. **16909171**

Ref. No. **275947734**

Sequence - v2_Plac_T 25 nmole DNA Oligo, 60 bases

5'- CGA CAG CGG CAT GCA TTT ACG TTG ACA CCA CCT TTC GCG GTA TGG CAT GAT AGC GCC CGG -3'

Properties

Tm (50mM NaCl):* 73.6 °C
GC Content: 58.3%
Molecular Weight: 18,452.9
nmoles/OD260: 1.8
ug/OD260: 32.9
Ext. Coefficient: 560,700 L/(mole·cm)

Amount Of Oligo

100µM in 193µL IDTE Buffer pH 8.0

Shipped To

MALCOLM CAMPBELL
DAVIDSON COLLEGE
209 RIDGE ROAD
DAVIDSON, NC 28035
USA
7048942692
Customer No. 256840 *PO No. Pgel*

Secondary Structure Calculations

Lowest folding free energy (kcal/mole): -5.35 at 25 °C
Strongest Folding Tm: 44.4 °C

Oligo Base Types	Quantity
DNA Bases	60

Modifications and Services	Quantity
LabReady (Normalized to 100µM in IDTE pH 8.0)	
Standard Desalting	

Disclaimer

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

*Mfg. ID33811397*8 Labels - Peel here

N S T R U C T 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 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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SPECIFICATION SHEET www.idtdna.com

Order No. **16909171**

Ref. No. **275947735**

Sequence - v2_Plac_B

25 nmole DNA Oligo, 60 bases

5'- CCG CCC GGG CGC TAT CAT GCC ATA CCG CGA AAG GTG GTG TCA ACG TAA ATG CAT GCC GCT -3'

Properties

Tm (50mM NaCl):* 75.0 °C
GC Content: 60.0%
Molecular Weight: 18,446.9
nmoles/OD260: 1.8
ug/OD260: 32.9
Ext. Coefficient: 561,300 L/(mole·cm)

Amount Of Oligo

100µM in 216µL IDTE Buffer pH 8.0

Shipped To

MALCOLM CAMPBELL
DAVIDSON COLLEGE
209 RIDGE ROAD
DAVIDSON, NC 28035
USA
7048942692
Customer No. 256840 *PO No. Pgel*

Secondary Structure Calculations

Lowest folding free energy (kcal/mole): -6.49 at 25 °C
Strongest Folding Tm: 48.8 °C

Oligo Base Types	Quantity
DNA Bases	60

Modifications and Services	Quantity
LabReady (Normalized to 100µM in IDTE pH 8.0)	1
Standard Desalting	1

Disclaimer

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

Mfg. ID 338113979 Labels - Peel here

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 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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IDT INTEGRATED DNA TECHNOLOGIES | YOUR ADVOCATE FOR THE GENOMICS AGE

SPECIFICATION SHEET www.idtdna.com

Order No. **16909171**

Ref. No. **275947736**

Sequence - v2_OmpC_T 250 nmole DNA Oligo, 99 bases

5'- CGA CCA TTT TGA AAC ATC TAT AGC GAT AAA TGA AAC ATC TTA AAA GTT TTA GTA TCA TAT TCG TGT TGG ATT ATT CTG CAT TTT TGG GGA GAA TGG ACT -3'

Properties

Tm (50mM NaCl):* 68.7 °C
GC Content: 32.3%
Molecular Weight: 30,612.9
nmoles/OD260: 1.0
ug/OD260: 31.3
Ext. Coefficient: 979,400 L/(mole·cm)

Amount Of Oligo

100µM in 912µL IDTE Buffer pH 8.0

Shipped To

MALCOLM CAMPBELL
DAVIDSON COLLEGE
209 RIDGE ROAD
DAVIDSON, NC 28035
USA
7048942692
Customer No. 256840 *PO No. Pgel*

Secondary Structure Calculations

Lowest folding free energy (kcal/mole): -2.27 at 25 °C
Strongest Folding Tm: 33.8 °C

Oligo Base Types	Quantity
DNA Bases	99

Modifications and Services	Quantity
LabReady (Normalized to 100µM in IDTE pH 8.0)	1
Standard Desalting	1

Disclaimer

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Mfg. ID 33808541 Labels - Peel here

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 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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SPECIFICATION SHEET

www.idtdna.com

Order No. **16909171**

Ref. No. **275947737**

Sequence - v2_OmpC_B

250 nmole DNA Oligo, 99 bases

5'- CCG CAG TCC ATT CTC CCC AAA AAT GCA GAA TAA TCC AAC ACG AAT ATG ATA CTA AAA CTT TTA AGA TGT TTC ATT TAT CGC TAT AGA TGT TTC AAA ATG -3'

Properties

Tm (50mM NaCl):* 68.7 °C
GC Content: 33.3%
Molecular Weight: 30,362.8
nmoles/OD260: 1.0
ug/OD260: 31.1
Ext. Coefficient: 976,700 L/(mole·cm)

Amount Of Oligo

100µM in 1016µL IDTE Buffer pH 8.0

Shipped To

MALCOLM CAMPBELL
DAVIDSON COLLEGE
209 RIDGE ROAD
DAVIDSON, NC 28035
USA
7048942692
Customer No. 256840 *PO No. Pgel*

Secondary Structure Calculations

Lowest folding free energy (kcal/mole): -1.75 at 25 °C
Strongest Folding Tm: 29.9 °C

Oligo Base Types	Quantity
DNA Bases	99

Modifications and Services	Quantity
LabReady (Normalized to 100µM in IDTE pH 8.0)	1
Standard Desalting	1

Disclaimer

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

Mfg. ID 338085416 Labels - Peel here

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 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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SPECIFICATION SHEET www.idtdna.com

Order No. **16909171**

Ref. No. **275947742**

Sequence - v2_Tet_T

25 nmole DNA Oligo, 58 bases

5'- CGA CTC CCT ATC AGT GAT AGA GAT TGA CAT CCC TAT CAG TGA TAG AGA TAC TGA GCA C -3'

Properties

Tm (50mM NaCl):* 66.4 °C
GC Content: 44.8%
Molecular Weight: 17,833.6
nmoles/OD260: 1.7
ug/OD260: 31.0
Ext. Coefficient: 574,600 L/(mole·cm)

Amount Of Oligo

100µM in 180µL IDTE Buffer pH 8.0

Shipped To

MALCOLM CAMPBELL
DAVIDSON COLLEGE
209 RIDGE ROAD
DAVIDSON, NC 28035
USA
7048942692
Customer No. 256840 *PO No. Pgel*

Secondary Structure Calculations

Lowest folding free energy (kcal/mole): -8.03 at 25 °C
Strongest Folding Tm: 50.5 °C

Oligo Base Types	Quantity
DNA Bases	58

Modifications and Services	Quantity
LabReady (Normalized to 100µM in IDTE pH 8.0)	1
Standard Desalting	1

Disclaimer

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Mfg. ID338113055 Labels - Peel here

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 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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SPECIFICATION SHEET www.idtdna.com

Order No. **16909171**

Ref. No. **275947743**

Sequence - v2_Tet_B 25 nmole DNA Oligo, 58 bases

5'- CCG CGT GCT CAG TAT CTC TAT CAC TGA TAG GGA TGT CAA TCT CTA TCA CTG ATA GGG A -3'

Properties

Tm (50mM NaCl):* 67.8 °C
GC Content: 46.6%
Molecular Weight: 17,822.6
nmoles/OD260: 1.8
ug/OD260: 32.0
Ext. Coefficient: 557,400 L/(mole·cm)

Amount Of Oligo

100µM in 265µL IDTE Buffer pH 8.0

Shipped To

MALCOLM CAMPBELL
DAVIDSON COLLEGE
209 RIDGE ROAD
DAVIDSON, NC 28035
USA
7048942692
Customer No. 256840 *PO No. Pgel*

Secondary Structure Calculations

Lowest folding free energy (kcal/mole): -7.04 at 25 °C
Strongest Folding Tm: 46.8 °C

Oligo Base Types	Quantity
DNA Bases	58

Modifications and Services	Quantity
LabReady (Normalized to 100µM in IDTE pH 8.0)	1
Standard Desalting	1

Disclaimer

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

Mfg. ID 338113056 Labels - Peel here

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 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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SPECIFICATION SHEET www.idtdna.com

Order No. **16909171**

Ref. No. **275947744**

Sequence - v2_OspA_T 100 nmole DNA Oligo, 64 bases

5'- CGA CTT TTA TTT TTT TTC AAT TTT CTA TTT GTT ATT TGT TAA TCT TAT AAT ATA ATT ATA CTT G -3'

Properties

*Tm (50mM NaCl)**: 59.3 °C
GC Content: 15.6%
Molecular Weight: 19,560.8
nmoles/OD260: 1.7
ug/OD260: 32.3
Ext. Coefficient: 605,900 L/(mole·cm)

Amount Of Oligo

100µM in 744µL IDTE Buffer pH 8.0

Shipped To

MALCOLM CAMPBELL
DAVIDSON COLLEGE
209 RIDGE ROAD
DAVIDSON, NC 28035
USA
7048942692
Customer No. 256840 *PO No. Pgel*

Secondary Structure Calculations

Lowest folding free energy (kcal/mole): -0.99 at 25 °C
Strongest Folding Tm: 34.3 °C

Oligo Base Types	Quantity
DNA Bases	64

Modifications and Services	Quantity
LabReady (Normalized to 100µM in IDTE pH 8.0)	1
Standard Desalting	1

Disclaimer

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Mfg. ID 338085178 Labels - Peel here

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 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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SPECIFICATION SHEET www.idtdna.com

Order No. **16909171**

Ref. No. **275947745**

Sequence - v2_OspA_B 100 nmole DNA Oligo, 64 bases

5'- CCG CCA AGT ATA ATT ATA TTA TAA GAT TAA CAA ATA ACA AAT AGA AAA TTG AAA AAA AAT AAA A -3'

Properties

Tm (50mM NaCl):* 60.5 °C
GC Content: 17.2%
Molecular Weight: 19,784.1
nmoles/OD260: 1.4
ug/OD260: 28.4
Ext. Coefficient: 697,600 L/(mole·cm)

Amount Of Oligo

100µM in 774µL IDTE Buffer pH 8.0

Shipped To

MALCOLM CAMPBELL
DAVIDSON COLLEGE
209 RIDGE ROAD
DAVIDSON, NC 28035
USA
7048942692
Customer No. 256840 *PO No. Pgel*

Secondary Structure Calculations

Lowest folding free energy (kcal/mole): -1.79 at 25 °C
Strongest Folding Tm: 34.1 °C

Oligo Base Types	Quantity
DNA Bases	64

Modifications and Services	Quantity
LabReady (Normalized to 100µM in IDTE pH 8.0)	1
Standard Desalting	1

Disclaimer

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Mfg. ID 338085179 Labels - Peel here

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 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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