

GenExact™ ssDNA Synthesis Certificate of Analysis

Product information

Item No.	KIOK5
ssDNA Name	ssDNA_TRAC_EGFP
Length	1,630 nt
Package	50 µg * 1 tube
Storage temperature	Store at - 20 °C
Date of Manufacture	05/24/2022
Expiration Date	6 months from date of manufacture
Comment	N/A

DNA Sequence:

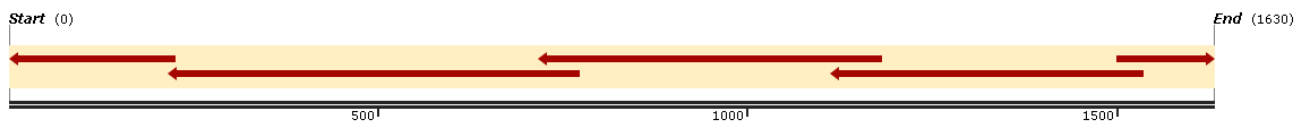
G G T T T C C T T G A G T G G C A G G C C A G G C C T G G C C G T G A A C G T T C A C T G A A A T C A
 T G G C C T C T T G G C C A A G A T T G A T A G C T T G T G C C T G T C C C T G A G T C C C A G T C C
 A T C A C G A G C A G C T G G T T T C T A A G A T G C T A T T T C C C G T A T A A A G C A T G A G A C
 C G T G A C T T G C C A G C C C C A C A G A G C C C C G C C C T T G T C C A T C A C T G G C A T C T G
 G A C T C C A G C C T G G G T T G G G G C A A A G A G G G A A A T G A G A T C A T G T C C T A A C C C
 T G A T C C T C T T G T C C C A C A G A T A T C C A G A A C C C T G A C C C T G C C G T G G G A A G C
 G G A G C T A C T A A C T T C A G C C T G C T G A A G C A G G C T G G A G A C G T G G A G G A G A A C
 C C T G G A C C T A T G G T G A G C A A G G G C G A G G A G C T G T T C A C C G G G G T G G T G C C C
 A T C C T G G T C G A G C T G G A C G G C G A C G T A A A C G G C C A C A A G T T C A G C G T G T C C
 G G C G A G G G C G A G G G C G A T G C C A C C T A C G G C A A G C T G A C C C T G A A G T T C A T C
 T G C A C C A C C G G C A A G C T G C C C G T G C C C T G G C C C A C C C T C G T G A C C A C C C T G
 A C C T A C G G C G T G C A G T G C T T C A G C C G C T A C C C C G A C C A C A T G A A G C A G C A C
 G A C T T C T T C A A G T C C G C C A T G C C C G A A G G C T A C G T C C A G G A G C G C A C C A T C
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 G A C G G C A A C A T C C T G G G G C A C A A G C T G G A G T A C A A C T A C A A C A G C C A C A A C
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 C T G A G C A C C C A G T C C G C C C T G A G C A A A G A C C C C A A C G A G A A G C G C G A T C A C
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 G A A T G C A A T T G T T G T T G T T A A C T T G T T T A T T G C A G C T T A T A A T G G T T A C A A
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 T T C T A G T T G T G G T T T G T C C A A A C T C A T C A A T G T A T C T T A T C A T G T C T G G A T
 C T G C A C C A G C T G A G A G A C T C T A A A T C C A G T G A C A A G T C T G T C T G C C T A T T C
 A C C G A T T T T G A T T C T C A A A C A A A T G T G T C A C A A A G T A A G G A T T C T G A T G T G
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 A A C A G T G C T G T G G C C T G G A G C A A C A A A T C T G A C T T T G C A T G T G C A A A C G C C
 T T C A A C A A C A G C A T T A T T C C A G A A G A C A C C T T C T T C C C C A G C C C A G G T A A G
 G G C A G C T T T G G T G C C T T C G C A G G C T G T T C C T T G C T T C A G G A A T G G C C A

Quality Control

Test Specifications	Detection Method	Release Criteria	Results
Appearance	Visual Inspection	White powder	Passed
Purity	Agarose gel electrophoresis	Single band	Passed
Quantity	Spectrophotometer at 260nm	100-120%	Passed
Sequence accuracy	Sanger sequencing	100% sequence alignment	Passed
Optical density	Spectrophotometer at 260 nm/230 nm	≥ 2.0	Passed
	Spectrophotometer at 260 nm/280 nm	1.8~2.0	Passed
Bioburden	Incubation in TSA plate	No colony formation	Passed
Endotoxin	Qualitative TAL assay	< 10 EU/mg	Passed
Protein Residue	Micro BCA Protein Assay Kit	≤ 50 ug/mg	Passed

Sequence integrity result:

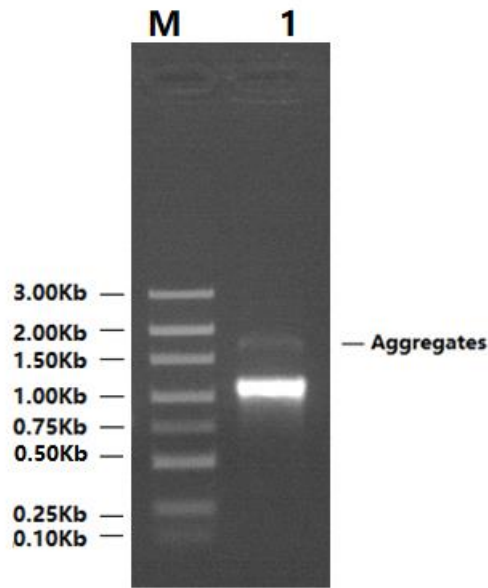
Created with SnapGene®



K1OK5
1630 bp

Final product was sent for Sanger sequencing directly. Please find the sequencing data in a separate .ab1 file with "show alignment" function.

Migration pattern in 1% agarose gel electrophoresis:



LaneM:DL3000 dsDNA Marker

Lane1: K1OK5 ssDNA Product

Caution

For laboratory or further manufacturing use only. If you have any questions about the Certificate of Analysis, please contact our customer service representatives at 1-877-436-7274 (toll-free) or email: oligo@genscript.com.

Prepared by: QC-WTF Date:05/24/2022
Approved by: QC-JY Date:05/24/2022