

## *GenWand™ dsDNA Synthesis Certificate of Analysis*

### Product information

Item No.	KIOK11
dsDNA Name	dsDNA_RAB11A_GFP
Length	1350 nt
Package	50.0 µg*1 tube
Storage temperature	Store at - 20 °C
Date of Manufacture	05/18/2022
Expiration Date	6 months from date of manufacture
Comment	N/A

### DNA Sequence:

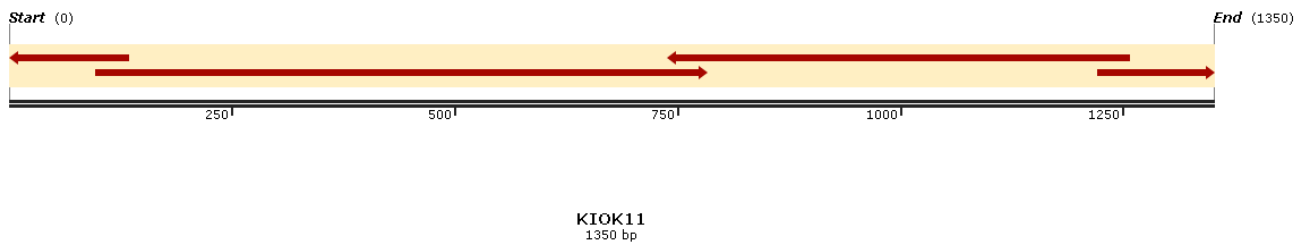
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 GCACACCGCCCTTGTGGGCTCAGGGGCGGGGCGCCGCCCCGGAAGTACTTCCCCTTAAAGGCTGGGGCCTGCCGAAATGGCG  
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 GCCACAACGTCTATATCACCGCCGACAAGCAGAAGAACGGCATCAAGGCCAACTTCAAGATCCGCCACAACGTGGAGGACGGCA  
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 CCAGTCCGTGCTGAGCAAAGACCCCAACGAGAAGCGCGATCACATGGTCTgCTGGA<sub>g</sub>TTCGTGACCGCCGCCGGGATCACT<sub>ggaac</sub>  
 cggT<sub>ggaagt</sub>ggtACaCGCGACGACGAGTACGACTACCTCTTTAAAGGTGAGGCCATGGGCTCTCGCACTCTACACAGTCCTCGTTCG  
 GGGACCCGGGCCACTCCCGGTGGACCTCGTGCCGGCCACCCCTGCACTGATATAGGCCTCCCTCAGCCCTTCTTTTTGTGCGGT  
 TCCGTCTCCTACCCAGCTCAGCCTCTTCTCCCCCGCTCAGACAGGGGTCCCCATCACATGCCGCTCTCTGAGCGACCTCTCCATAGG  
 CCTTCGCTGGCCTCAGAGCCCCCTCCCTGCGTGTCTTCCCCTGGCGGACTGCCTTCTCCCACATCGT

## 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	≤50ug/mg	Passed

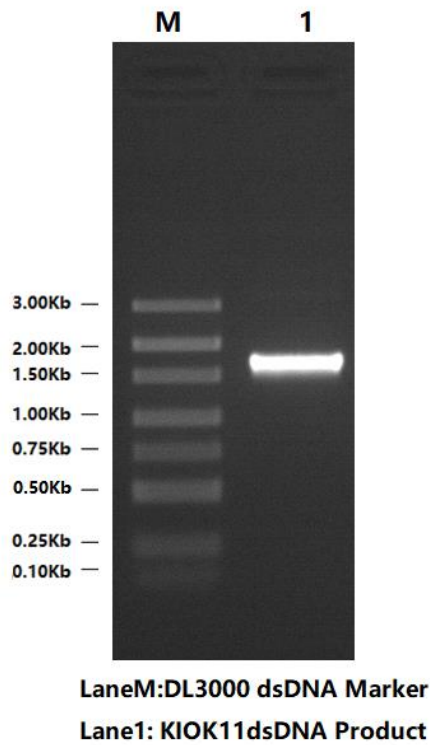
## Sequence integrity result:

Created with SnapGene®



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



### 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](mailto:oligo@genscript.com).

Prepared by: QC-WTF      Date: 05/18/2022  
Approved by: QC-JY      Date: 05/18/2022