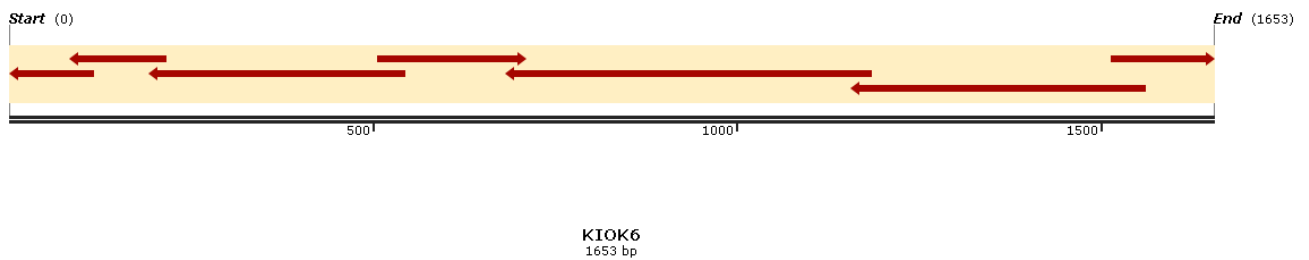


Quality Control

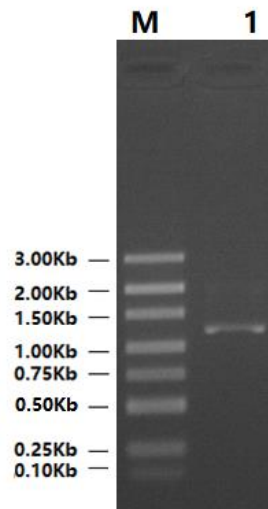
Test Specifications	Detection Method	Release Criteria	Results
Appearance	Visual Inspection	White powder	Passed
Purity	Agarose gel electrophoresis	Single band	Passed
Quantity	Spectrophotometer at 260nm	100-120%	Passed
Sequence accuracy	Sanger sequencing	100% sequence alignment	Passed
Optical density	Spectrophotometer 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	$\leq 50\mu\text{g}/\text{mg}$	Passed

Sequence integrity result:



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:KIOK6 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:05/21/2022

Approved by: QC-JY Date:05/21/2022