

Certificate of Analysis

Product ID: OHu30141D Lot. No.: 774765-397/K26991

Product Information:

Gene Symbol: KLK12 Accession No.: NM_019598

Cloning Vector: pcDNA3.1⁺/C-(K)DYK Gene Length*: 765 bp

Cloning Strategy: CloneEZ Plasmid size: 6155 bp

Antibiotic resistance: Ampicillin, recommended concentration: 50µg/ml Amount: 10 µg

Note: * The stop codon has not been included in gene length calculation. And the detail sequence showed in attachment 2

Storage: Store at -20°C
The ORF clone is shipped at room temperature, but should be kept at -20°C for long-term storage.

QC Items	Specifications	Results	
Sequencing Alignment	Sequencing results are consistent with the targeted insert sequence.	Pass	Consistent
Vector Sequence	The flanking sequences of the cloning sites are correct.	Pass	Correct Shown in the SQD file
Restriction Digests	The size of inserted fragment is correct and free of unexpected bands suggesting contamination.	Pass	Correct Shown in attachment 1
DNA Quality	Miniprep: 10 µg OD260/280= 1.8~2.0 Free of contamination	Pass	≥ 10 µg OD260/280=1.87 Pure
Quality Grade	Research Grade	Pass	Research Grade
Appearance	Clear and free of foreign particles.	Pass	Clear Free of foreign particles
Additional Test		N/A	

Certified by *Morgan* Date: 12/15/2015

Thank you for your patronage to our Gene services! To maintain this working relationship, we shall be grateful if you can add our webpage URL into your lab website. As a token of appreciation, you will be rewarded by 1,000 EZcoupon™ points. For more information, please contact us by e-mail at web@genscript.com.

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Tel: 1-732-885-9188

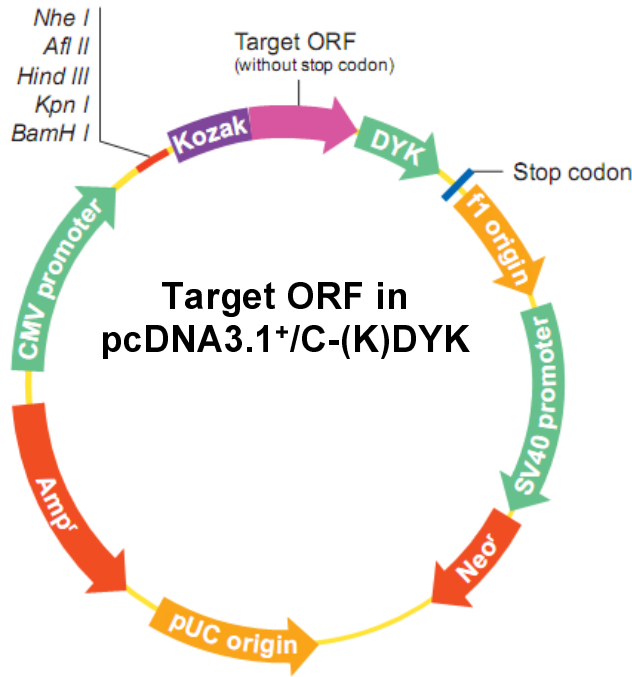
Fax: 1-732-210-0262

Email: order@genscript.com

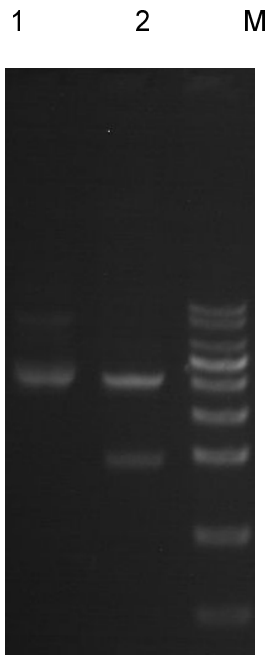
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Plasmid Construct Map

The ORF was cloned in pcDNA3.1⁺/C-(K)DYK by CloneEZ.

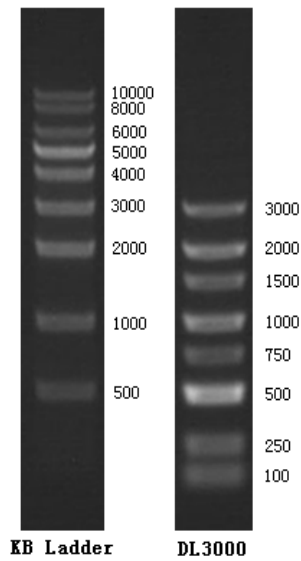


Enzyme Digestion



Lane M: KB Ladder
Lane 1: OHu30141D plasmid
Lane 2: OHu30141D plasmid digested by PstI

Digestion Conditions:
~ 300ng plasmid digested
Digestion in water-bath, 37°C for 40 minutes
1% Agarose Gel



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Attachment 2**Original ORF Sequence (Including start and stop codons)**

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ATGGGGCTCA GCATCTTTT GTCCTGTGT GTTCTGGGC TCAGCCAGGC AGCCACACCG AAGATTTTCA ATGGCACTGA GTGTGGGCGT AACTCACAGC
CGTGGCAGGT GGGGCTGTT GAGGGCACCA GCCTGCGCTG CGGGGGTGT CTTATTGACC ACAGGTGGGT CCTCACAGCG GCTCACTGCA GCGGCAGCAG
GTA CTGGGTG CGCCTGGGG AACACAGCCT CAGCCAGCTC GACTGGACCG AGCAGATCCG GCACAGCGGC TTCTCTGTGA CCCATCCCGG CTACCTGGGA
GCCTCGACGA GCCACGAGCA CGACCTCCGG CTGCTGCGGC TGC GCCTGCC CGTCCGCGTA ACCAGCAGCG TTCAACCCCT GCCCTGCCC AATGACTGTG
CAACCGCTGG CACCGAGTGC CACGTCTCAG GCTGGGGCAT CACCAACCAC CCACGGAACC CATTCCCGGA TCTGCTCCAG TGCCTCAACC TCTCCATCGT
CTCCCATGCC ACCTGCCATG GTGTGTATCC CGGGAGAATC ACGAGCAACA TGGTGTGTGC AGGCGGCGTC CCGGGGCAGG ATGCCTGCCA GGGTGATTCT
GGGGGCCCCC TGGTGTGTGG GGGAGTCCTT CAAGGTCTGG TGTCTGGGG GTCTGTGGGG CCCTGTGGAC AAGATGGCAT CCCTGGAGTC TACACCTATA
TTTGCAACTC CACTCTTGT GGCCTGGGAA CTTCTTGAA CTTTAACTCC TGCCAGCCCT TCTAA
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