

Certificate of Analysis

Product ID: OHu21324D Lot. No.: 740024-203/M62294

Product Information:

Gene Symbol: KLF5 Accession No.: NM_001286818

Cloning Vector: pcDNA3.1⁺/C-(K)DYK Gene Length*: 1101 bp

Cloning Strategy: CloneEZ Plasmid size: 6491 bp

Antibiotic resistance: Amplicillin, 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

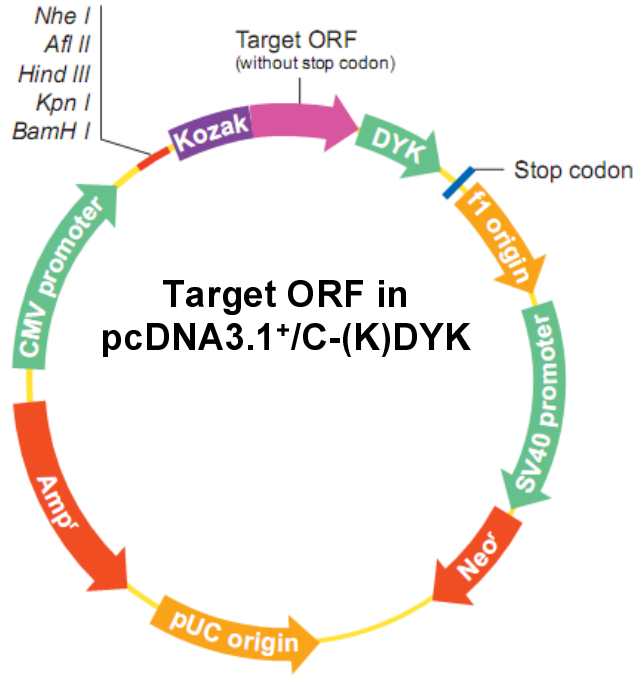
Fax: 1-732-210-0262

Email: order@genscript.com

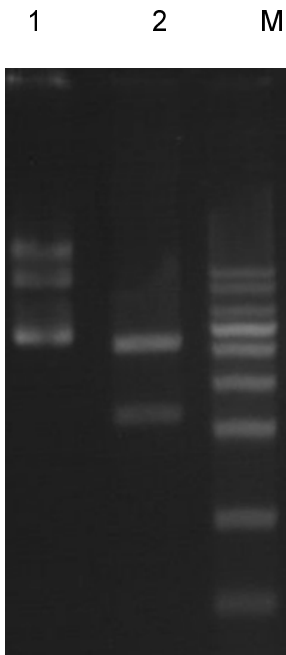
Web: www.genscript.com

Plasmid Construct Map

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

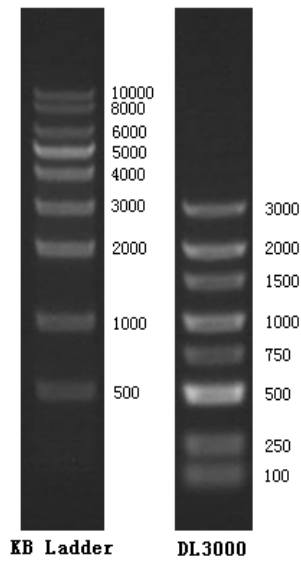


Enzyme Digestion



Lane M: KB Ladder
Lane 1: OHu21324D plasmid
Lane 2: OHu21324D plasmid digested by BamHI and SmaI

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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ATGGAGAAGT ATCTGACACC TCAGCTTCCT CCAGTTCCTA TAATTCCAGA GCATAAAAAG TATAGACGAG ACAGTGCCTC AGTCGTAGAC CAGTTCTTCA
CTGACACTGA AGGGTTACCT TACAGTATCA ACATGAACGT CTTCCTCCCT GACATCACTC ACCTGAGAAC TGGCCTCTAC AAATCCCAGA GACCGTGCGT
AACACACATC AAGACAGAAC CTGTTGCCAT TTTCAGCCAC CAGAGTGAAA CACTGCCCC TCCTCCGGCC CCGACCCAGG CCCTCCCTGA GTTACCAGT
ATATTCAGCT CACACCAGAC CGCAGCTCCA GAGGTGAACA ATATTTTCAT CAAACAAGAA CTTCTACAC CAGATCTTCA TCTTTCTGTC CCTACCCAGC
AGGGCCACCT GTACCAGCTA CTGAATACAC CGGATCTAGA TATGCCAGT TCTACAAATC AGACAGCAGC AATGGACT CTTAATGTTT CTATGTCAGC
TGCCATGGCA GGCCTTAACA CACACACCTC TGCTGTTCCG CAGACTGCAG TGAACAATT CCAGGGCATG CCCCTTGCA CATAACAAT GCCAAGTCAG
TTTCTTCCAC AACAGGCCAC TTACTTTCCC CCGTCACCAC CAAGCTCAGA GCCTGGAAGT CCAGATAGAC AAGCAGAGAT GCTCCAGAAT TTAACCCAC
CTCCATCCTA TGCTGCTACA ATTGCTTCTA AACTGGCAAT TCACAATCCA AATTACCCA CCACCCTGCC AGTAACTCA CAAAACATCC AACCTGTCAG
ATACAATAGA AGGAGTAACC CCGATTGGA GAAACGACGC ATCCACTACT GCGATTACCC TGGTTGCACA AAAGTTTATA CCAAGTCTTC TCATTTAAAA
GCTCACCTGA GGA CTACAC TGGTAAAAAG CCATACAAGT GTACCTGGGA AGGCTGCGAC TGGAGGTTG CCGGATCGGA TGAGCTGACC CGCCACTACC
GGAAGCACAC AGGCGCCAAG CCCTCCAGT GCGGGGTGTG CAACCGCAGC TTCTGCGCT CTGACCACCT GGCCTGCAT ATGAAGAGGC ACCAGAACTG
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