

Certificate of Analysis

Product ID: OHu21278D Lot. No.: 740024-204/M65170

Product Information:

Gene Symbol: KLF5 Accession No.: NM_001730

Cloning Vector: pcDNA3.1⁺/C-(K)DYK Gene Length*: 1374 bp

Cloning Strategy: CloneEZ Plasmid size: 6764 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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Toll-Free: 1-877-436-7274

Tel: 1-732-885-9188

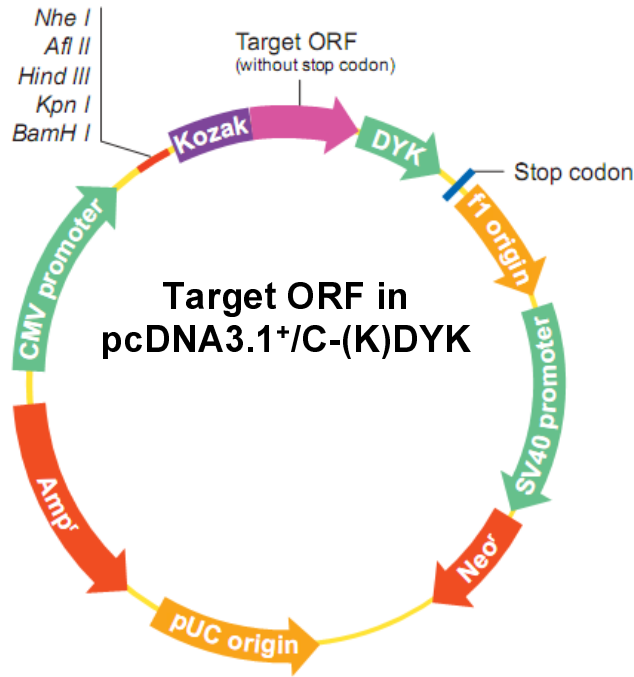
Fax: 1-732-210-0262

Email: order@genscript.com

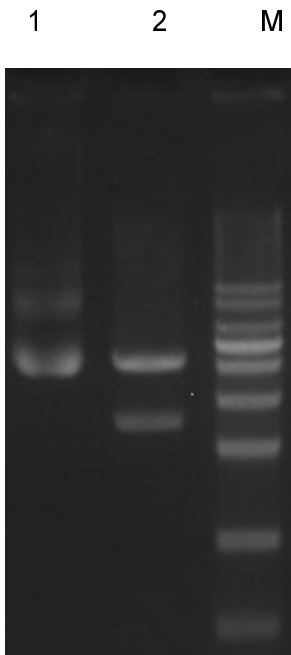
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Plasmid Construct Map

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

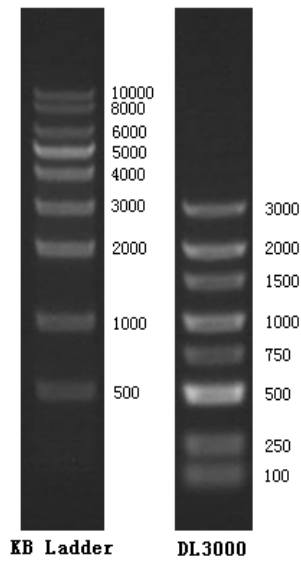


Enzyme Digestion



Lane M: KB Ladder
Lane 1: OHu21278D plasmid
Lane 2: OHu21278D 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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ATGGCTACAA GGGTGCTGAG CATGAGCGCC CGCCTGGGAC CCGTGCCCA GCCGCCGCG CCGCAGGACG AGCCGGTGTT CGCGCAGCTC AAGCCGGTGC
TGGGCGCCGC GAATCCGGCC CGCGACGGG CGCTCTTCCC CGGCGAGGAG CTGAAGCACG CGCACCACCG CCCGCAGGCG CAGCCCGCGC CCGCGCAGGC
CCCGCAGCCG GCCCAGCCGC CCGCCACCGG CCCGCGGCTG CCTCCAGAGG ACCTGGTCCA GACAAGATGT GAAATGGAGA AGTATCTGAC ACCTCAGCTT
CCTCCAGTTC CTATAATTCC AGAGCATAAA AAGTATAGAC GAGACAGTGC CTCAGTCGTA GACCAGTTCT TCACTGACAC TGAAGGGTTA CCTTACAGTA
TCAACATGAA CGTCTTCCTC CCTGACATCA CTCACCTGAG AACTGGCCTC TACAAATCCC AGAGACCGTG CGTAACACAC ATCAAGACAG AACCTGTTGC
CATTTTCAGC CACCAGAGTG AAACGACTGC CCCTCCTCG GCCCCGACCC AGGCCCTCCC TGAGTTCACC AGTATATTCA GCTCACACCA GACCCGAGCT
CCAGAGGTGA ACAATATTTT CATCAAACAA GAACTTCCTA CACCAGATCT TCATCTTCT GTCCCTACCC AGCAGGGCCA CCTGTACCAG CTAAGAATA
CACCGGATCT AGATATGCC AGTTCTACAA ATCAGACAGC AGCAATGGAC ACTCTTAATG TTTCTATGTC AGCTGCCATG GCAGGCCTTA ACACACACAC
CTCTGCTGTT CCGCAGACTG CAGTGAACA ATTCCAGGGC ATGCCCCCTT GCACATACAC AATGCCAAGT CAGTTTCTTC CACAACAGGC CACTTACTTT
CCCCCGTCC CACCAAGCTC AGAGCCTGGA AGTCCAGATA GACAAGCAGA GATGCTCCAG AATTTAACC CACCTCCATC CTATGCTGCT ACAATTGCTT
CTAAACTGGC AATTCACAAT CCAAATTTAC CCACCACCCT GCCAGTTAAC TCACAAAACA TCCAACCTGT CAGATACAAT AGAAGGAGTA ACCCCGATTT
GGAGAAACGA CGCATCCACT ACTGCGATTA CCCTGGTTGC ACAAAGTTT ATACCAAGTC TTCTCATTTA AAAGCTCACC TGAGGACTCA CACTGGTGAA
AAGCCATACA AGTGACCTG GGAAGGCTGC GACTGGAGGT TCGCGGATC GGATGAGCTG ACCCGCCACT ACCGGAAGCA CACAGGCGCC AAGCCCTTCC
AGTGCGGGGT GTGCAACCGC AGCTTCTCGC GCTCTGACCA CCTGGCCCTG CATATGAAGA GGCACCAGAA CTGA
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