

Certificate of Analysis

Product ID: OHu07203D Lot. No.: 774759-412/T62427

Product Information:

Gene Symbol: RDH11 Accession No.: NM_016026

Cloning Vector: pcDNA3.1⁺/C-(K)DYK Gene Length*: 957 bp

Cloning Strategy: CloneEZ Plasmid size: 6347 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

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Toll-Free: 1-877-436-7274

Tel: 1-732-885-9188

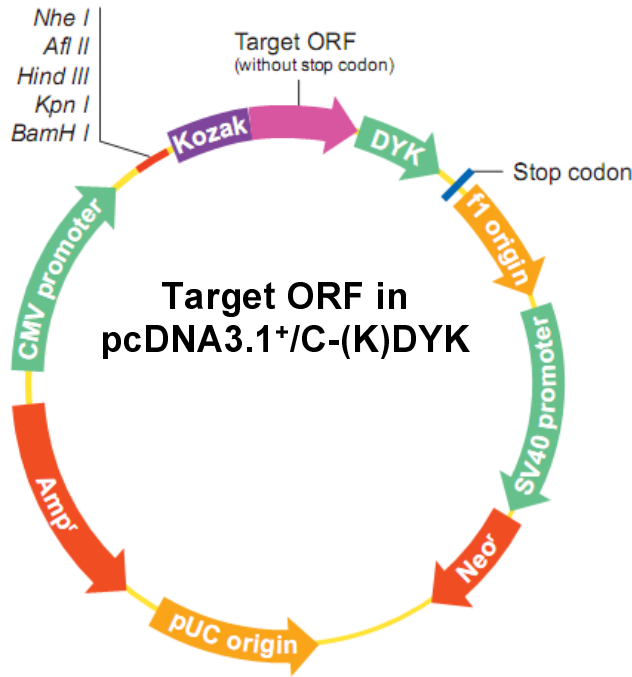
Fax: 1-732-210-0262

Email: order@genscript.com

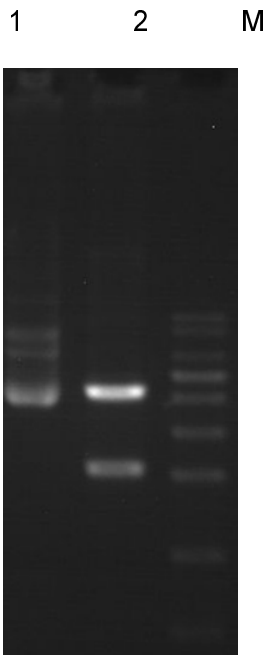
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Plasmid Construct Map

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

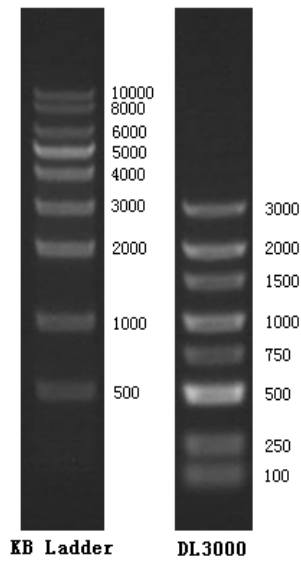


Enzyme Digestion



Lane M: KB Ladder
Lane 1: OHu07203D plasmid
Lane 2: OHu07203D plasmid digested by HindIII 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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ATGGTTGAGC TCATGTTCCC GCTGTTGCTC CTCCTTCTGC CCTTCCTTCT GTATATGGCT GCGCCCAAAA TCAGGAAAAT GCTGTCCAGT GGGGTGTGTA
CATCAACTGT TCAGCTTCCT GGGAAAAGTAG TTGTGGTCAC AGGAGCTAAT ACAGGTATCG GGAAGGAGAC AGCCAAAAGAG CTGGCTCAGA GAGGAGCTCG
AGTATATTTA GCTTGCCGGG ATGTGGAAAA GGGGGAATTG GTGGCCAAAG AGATCCAGAC CACGACAGGG AACCAGCAGG TGTGGTGCG GAAACTGGAC
CTGTCTGATA CTAAGTCTAT TCGAGCTTTT GCTAAGGGCT TCTTAGCTGA GAAAAAGCAC CTCCACGTTT TGATCAACAA TGCAGGAGTG ATGATGTGTC
CGTACTCGAA GACAGCAGAT GGCTTTGAGA TGCACATAGG AGTCAACCAC TTGGGTCACT TCCTCCTAAC CCATCTGCTG CTAGAGAAAC TAAAGGAATC
AGCCCATCA AGGATAGTAA ATGTGTCTTC CCTCGCAT CACCTGGGAA GGATCCACTT CCATAACCTG CAGGGCGAGA AATTCTACAA TGCAGGCCTG
GCCTACTGTC ACAGCAAGCT AGCCAACATC CTCTCACCC AGGAACTGGC CCGGAGACTA AAAGGCTCTG GCGTTACGAC GTATTCTGTA CACCCTGGCA
CAGTCCAATC TGAAGTGGTT CGGCACTCAT CTTTCATGAG ATGGATGTGG TGGCTTTTCT CCTTTTTCAT CAAGACTCCT CAGCAGGGAG CCCAGACCAG
CCTGCACTGT GCCTTAACAG AAGGTCTTGA GATTCTAAGT GGGAAATCATT TCAGTGACTG TCATGTGGCA TGGGTCTCTG CCCAAGCTCG TAATGAGACT
ATAGCAAGGC GGCTGTGGGA CGTCAGTTGT GACCTGCTGG GCCTCCAAT AGACTAA
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