

Certificate of Analysis

Product ID: OHu24880D Lot. No.: 817291565-1/F90799

Product Information:

Gene Symbol: ACVR1C Accession No.: NM_001111031

Cloning Vector: pcDNA3.1⁺/C-(K)DYK Gene Length*: 1332 bp

Cloning Strategy: CloneEZ Plasmid Size: 6722 bp

Antibiotic Resistance: Ampicillin, recommended concentration: 50 µg/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: 10/25/2016

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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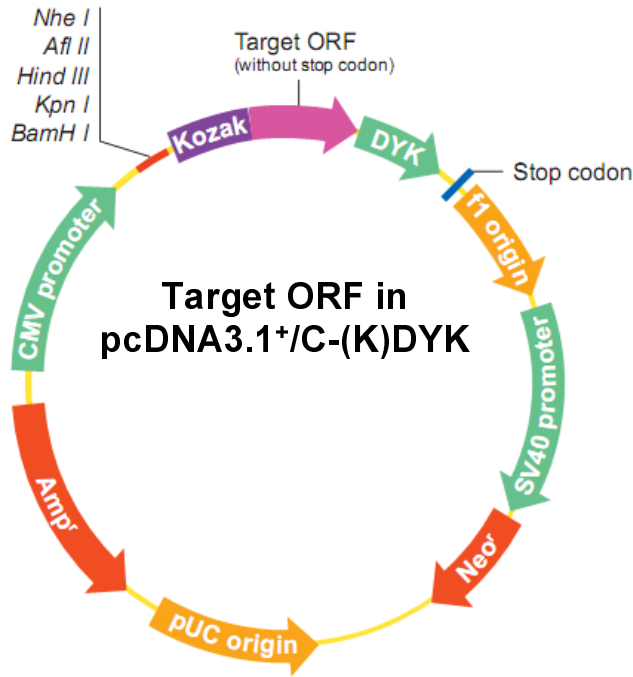
Fax: 1-732-210-0262

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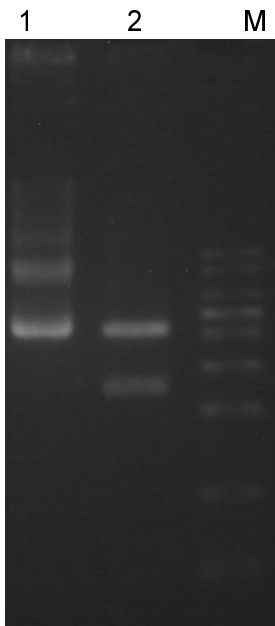
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Plasmid Construct Map

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

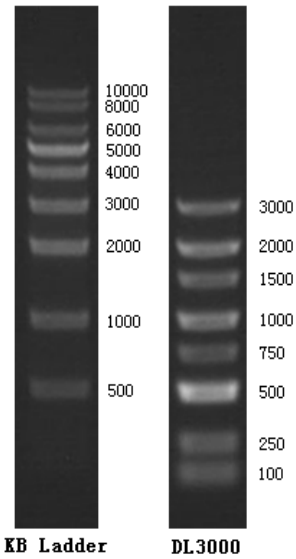


Enzyme Digestion



Lane M: KB Ladder
Lane 1: OHu24880D plasmid
Lane 2: OHu24880D 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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ATGCTAACCA ATGAAAAAGA GCAGGTGATC AAATCCTGTG TCTCCCTTCC AGAACTGAAT GCTCAAGTCT TCTGTCATAG TTCCAACAAT GTTACCAAAA
CCGAATGCTG CTTACACAGAT TTTTGCAACA ACATAACACT GCACCTTCCA ACAGCATCAC CAAATGCCCC AAAACTTGA CCCATGGAGC TGGCCATCAT
TATTACTGTG CCTGTTTGCC TCCTGTCCAT AGCTGCGATG CTGACAGTAT GGGCATGCCA GGGTCGACAG TGCTCCTACA GGAAGAAAAA GAGACCAAAAT
GTGGAGGAAC CACTCTCTGA GTGCAATCTG GTAAATGCTG GAAAAACTCT GAAAGATCTG ATTTATGATG TGACCGCCTC TGGATCTGGC TCTGGTCTAC
CTCTGTTGGT TCAAAGGACA ATTGCAAGGA CGATTGTGCT TCAGGAAATA GTAGGAAAAG GTAGATTTGG TGAGGTGTGG CATGGAAGAT GGTGTGGGGA
AGATGTGGCT GTGAAAATAT TCTCCTCCAG AGATGAAAGA TCTTGGTTTC GTGAGGCAGA AATTTACCAG ACGGTCATGC TGGCAGATGA AAACATCCTT
GGTTTCATTG CTGCTGACAA CAAAGATAAT GGAACCTTGA CTCAACTTTG GCTGGTATCT GAATATCATG AACAGGGCTC CTTATATGAC TATTTGAATA
GAAATATAGT GACCGTGGCT GGAATGATCA AGCTGGCGCT CTCAATTGCT AGTGGTCTGG CACACCTTCA TATGGAGATT GTTGGTACAC AAGGTAAACC
TGCTATTGCT CATCGAGACA TAAAAACAAA GAATATCTTA GTGAAAAAGT GTGAAACTTG TGCCATAGCG GACTTAGGGT TGGCTGTGAA GCATGATTCA
ATACTGAACA CTATCGACAT ACCTCAGAAT CCTAAAGTGG GAACCAAGAG GTATATGGCT CCTGAAATGC TTGATGATAC AATGAATGTG AATATCTTTG
AGTCCTTCAA ACGAGCTGAC ATCTATTCTG TTGGTCTGGT TTAAGGGGAA ATAGCCCGGA GGTGTTTCAGT CCGAGGAATT GTTGGAGAGT ACCAATTGCC
TTATTATGAC ATGGTGCCTT CAGATCCCTC GATAGAGGAA ATGAGAAAAG TTGTTTGTGA CCAGAAGTTT CGACCAAGTA TCCCAAACCA GTGGCAAAGT
TGTGAAGCAC TCCGAGTCAT GGGGAGAATA ATGCGTGAGT GTTGGTATGC CAACGGAGCG GCCCGCCTAA CTGCTCTTCG TATTAAGAAG ACTATATCTC
AACTTTGTGT CAAAGAAGAC TGCAAAGCCT AA
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