

# Certificate of Analysis

Product ID: OHu25011D Lot. No.: 817291573-1/F91299

Product Information:

Gene Symbol: ACVR1C Accession No.: NM\_145259

Cloning Vector: pcDNA3.1<sup>+</sup>/C-(K)DYK Gene Length\*: 1482 bp

Cloning Strategy: CloneEZ Plasmid Size: 6872 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](mailto:web@genscript.com).

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Toll-Free: 1-877-436-7274

Tel: 1-732-885-9188

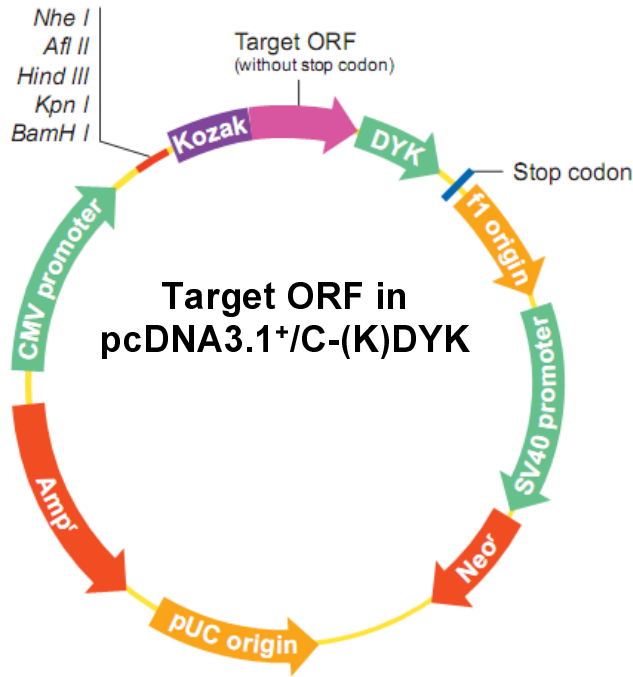
Fax: 1-732-210-0262

Email: [order@genscript.com](mailto:order@genscript.com)

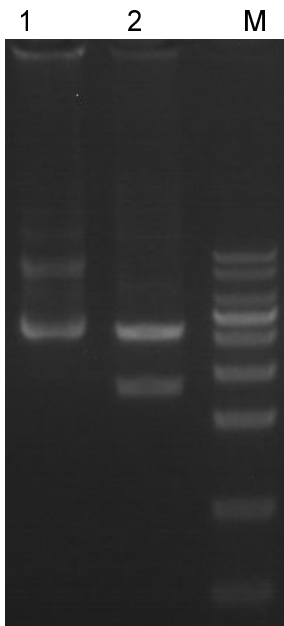
Web: [www.genscript.com](http://www.genscript.com)

Plasmid Construct Map

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

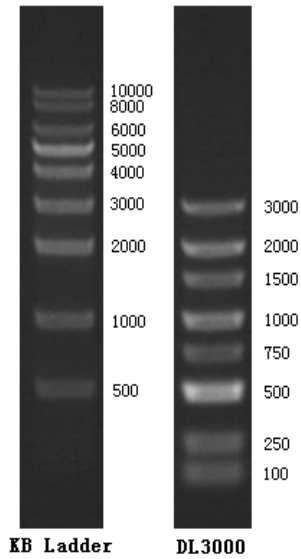


Enzyme Digestion



Lane M: KB Ladder  
Lane 1: OHu25011D plasmid  
Lane 2: OHu25011D plasmid digested by 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)**

```
ATGACCCGGG CGCTCTGCTC AGCGCTCCGC CAGGCTCTCC TGCTGCTCGC AGCGGCCGCC GAGCTCTCGC CAGGACTGAA GTGTGTATGT CTTTGTGTG
ATTCTTCAA CTTTACCTGC CAAACAGAAG GAGCATGTTG GGCATCAGTC ATGCTAACCA ATGGAAAAGA GCAGGTGATC AAATCCTGTG TCTCCCTTCC
AGAACTGAAT GCTCAAGTCT TCTGTCATAG TTCCAACAAT GTTACCAAAA CCGAATGCTG CTTACACAGAT TTTGCAACA ACATAAACT GCACCTTCCA
ACAGCATCAC CAAATGCCCC AAAACTTGA CCCATGGAGC TGGCCATCAT TATTACTGTG CCTGTTTGGC TCCTGTCCAT AGCTGCGATG CTGACAGTAT
GGGCATGCCA GGGTCGACAG TGCTCCTACA GGAAGAAAA GAGACCAAAT GTGGAGGAAC CACTCTCTGA GTGCAATCTG GATAATGCTG GAAAACTCT
GAAAGATCTG ATTTATGATG TGACCGCCTC TGGATCTGGC TCTGGTCTAC CTCTGTTGGT TCAAAGGACA ATTGCAAGGA CGATTGTGCT TCAGGAAATA
GTAGAAAAG GTAGATTTGG TGAGGTGTGG CATGGAAGAT GGTGTGGGA AGATGTGGCT GTGAAAATAT TCTCCTCCAG AGATGAAAGA TCTTGGTTTC
GTGAGGCAGA AATTACCAG ACGGTCATGC TGGCAGATGA AAACATCCTT GGTTCATTG CTGCTGACAA CAAAGATAAT GGAAGTTGGA CTCAACTTTG
GCTGGTATCT GAATATCATG AACAGGCTC CTTATATGAC TATTTGAATA GAAATATAGT GACCGTGGCT GGAATGATCA AGCTGGCGCT CTCAATTGCT
AGTGGTCTGG CACACCTTCA TATGGAGATT GTTGGTACAC AAGGTAACC TGCTATTGCT CATCGAGACA TAAATCAA GAATATCTTA GTGAAAAAGT
GTGAAACTTG TGCCATAGCG GACTTAGGGT TGGCTGTGAA GCATGATTCA ATACTGAACA CTATCGACAT ACCTCAGAAT CCTAAAGTGG GAACCAAGAG
GTATATGGCT CCTGAAATGC TTGATGATAC AATGAATGTG AATATCTTTG AGTCCTCAA ACGAGCTGAC ATCTATTCTG TTGGTCTGGT TACTGGGAA
ATAGCCCGGA GGTGTTCACT CGGAGGAATT GTTGAGGAGT ACCAATTGCC TTATTATGAC ATGGTGCCTT CAGATCCCTC GATAGAGGAA ATGAGAAAGG
TTGTTTGTGA CCAGAAGTTT CGACCAAGTA TCCCAAACCA GTGGCAAAGT TGTGAAGCAC TCCGAGTCAT GGGGAGAATA ATCGGTGAGT GTTGGTATGC
CAACGGAGCG GCCCGCCTAA CTGCTCTTCG TATTAAGAAG ACTATATCTC AACTTTGTGT CAAAGAAGAC TGCAAAGCCT AA
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