

Certificate of Analysis

Product ID: OHu16659D Lot. No.: 774760-449/P59700

Product Information:

Gene Symbol: SERPINE2 Accession No.: NM_001136528

Cloning Vector: pcDNA3.1⁺/C-(K)DYK Gene Length*: 1194 bp

Cloning Strategy: CloneEZ Plasmid size: 6584 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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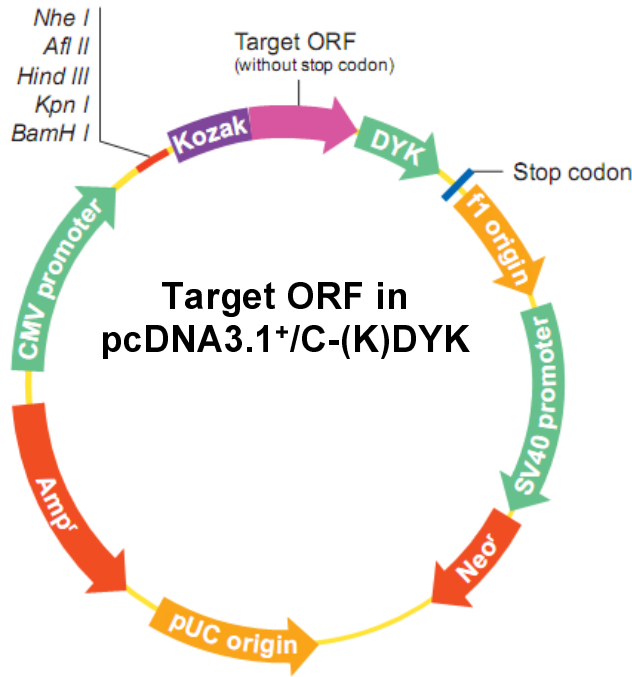
Fax: 1-732-210-0262

Email: order@genscript.com

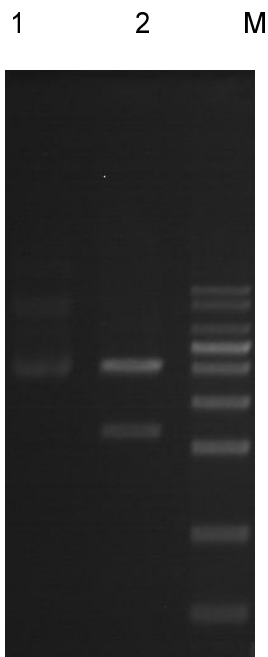
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Plasmid Construct Map

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

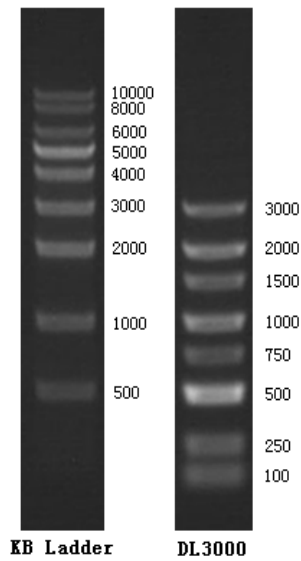


Enzyme Digestion



Lane M: KB Ladder
Lane 1: OHu16659D plasmid
Lane 2: OHu16659D plasmid digested by KpnI 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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ATGAACTGGC ATCTCCCCT CTCCTCTTG GCCTCTGTGA CGCTGCCTC CATCTGCTCC CACTTCAATC CTCTGTCTCT CGAGGAACTA GGCTCCAACA
CGGGGATCCA GGTTTTCAAT CAGATTGTGA AGTCGAGGCC TCATGACAAC ATCGTGATCT CTCCCATGG GATTGCGTCG GTCCTGGGGA TGCTTCAGCT
GGGGGCGGAC GGCAGGACCA AGAAGCAGCT CGCCATGGTG ATGAGATACG GCGTAAATGG AGTTGGTAAA ATATTAAGA AGATCAACAA GGCCATCGTC
TCCAAGAAGA ATAAAGACAT TGTGACAGTG GCTAACGCCG TGTGTTGTTA GAATGCCTCT GAAATTGAAG TGCCTTTTGT TACAAGGAAC AAAGATGTGT
TCCAGTGTGA GGTCCGGAAT GTGAACTTTG AGGATCCAGC CTCTGCCTGT GATTCCATCA ATGCATGGGT TAAAAATGAA ACCAGGGATA TGATTGACAA
TCTGCTGTCC CCAGATCTTA TTGATGGTGT GCTCACCAGA CTGGTCCTCG TCAACGCAGT GTATTTCAAG GGTCTGTGGA AATCACGGTT CCAACCCGAG
AACACAAAGA AACGCACCTT CGTGGCAGCC GACGGGAAAT CCTATCAAGT GCCAATGCTG GCCCAGCTCT CCGTGTCCG GTGTGGGTCG ACAAGTGCCC
CCAATGATTT ATGGTACAAC TTCATTGAAC TGCCCTACCA CGGGGAAAGC ATCAGCATGC TGATTGCACT GCCGACTGAG AGCTCCACTC CGCTGTCTGC
CATCATCCA CACATCAGCA CCAAGACCAT AGACAGCTGG ATGAGCATCA TGGTGCCAA GAGGGTGCAG GTGATCCTGC CCAAGTTCAC AGCTGTAGCA
CAAACAGATT TGAAGGAGCC GCTGAAAGTT CTTGGCATTG CTGACATGTT TGATTATCA AAGGCAAATT TTGCAAAAAT AACAAAGTCA GAAAACCTCC
ATGTTTTCTA TATCTTGCAA AAAGCAAAA TGAAGTCAG TGAAGATGGA ACCAAAGCTT CAGCAGCAAC AACTGCAATT CTCATTGCAA GATCATCGCC
TCCCTGGTTT ATAGTAGACA GACCTTTTCT GTTTTTCATC CGACATAATC CTACAGGTGC TGTGTTATTC ATGGGGCAGA TAAACAAACC CTGA
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