

# Certificate of Analysis

Product ID: OHu04319D Lot. No.: 817240690-1/F70411

Product Information:

Gene Symbol: DUSP8 Accession No.: NM\_004420

Cloning Vector: pcDNA3.1<sup>+</sup>/C-(K)DYK Gene Length\*: 1878 bp

Cloning Strategy: CloneEZ Plasmid Size: 7268 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: 09/01/2016

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

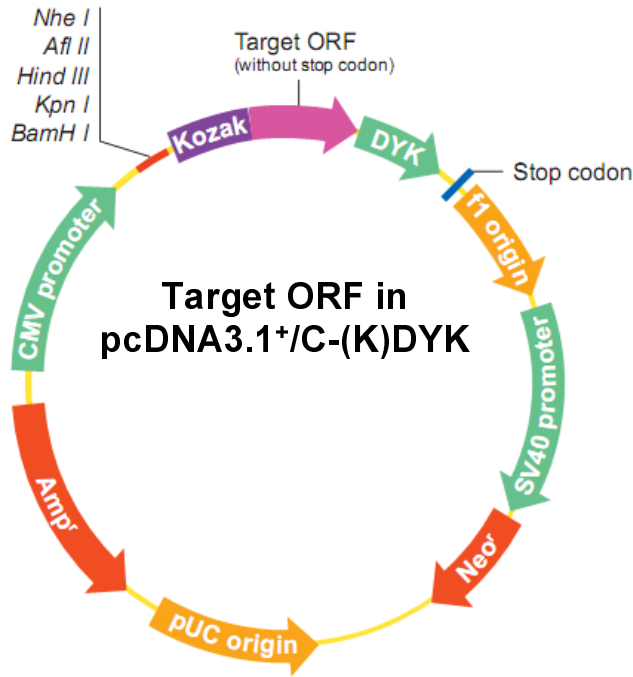
Fax: 1-732-210-0262

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

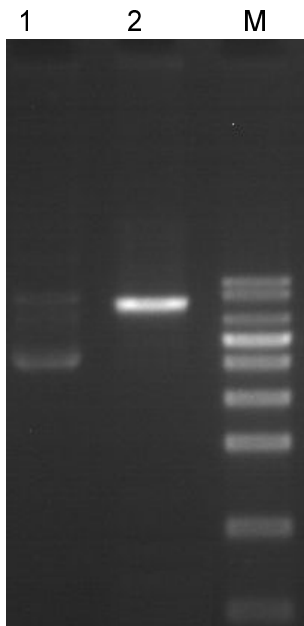
Web: [www.genscript.com](http://www.genscript.com)

Plasmid Construct Map

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

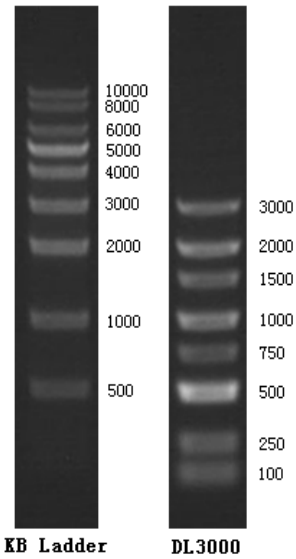


Enzyme Digestion



Lane M: KB Ladder  
Lane 1: OHu04319D plasmid  
Lane 2: OHu04319D plasmid digested by HindIII

**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)**

```
ATGGCTGGGG ACCGGCTCCC GAGGAAGGTG ATGGATGCCA AGAAGCTGGC CAGCCTGCTG CGGGGCGGGC CTGGGGGGCC GCTGGTCATC GACAGCCGCT
CCTTCGTGGA GTACAACAGC TGGCATGTGC TCAGCTCCGT CAACATCTGC TGCTCCAAGC TGGTGAAGCG GCGGCTGCAG CAGGGCAAGG TGACCATTGC
GGAGCTCATC CAGCCGGCTG CACGCAGCCA GGTGGAGGCT ACGGAGCCAC AGGACGTGGT GGTCTATGAC CAGAGCACGC GGGACGCCAG CGTGCTGGCC
GCAGACAGCT TCCTCTCCAT CCTGCTGAGC AAGCTGGAGC GCTGCTTCGA CAGCGTGGCC ATCCTCACTG GGGGCTTCGC CACCTTCTCC TCCTGCTTCC
CCGGCTCTG CGAGGGCAAG CCTGCTGCCC TGCTACCCAT GAGCCTCTCC CAGCCCTGCC TGCCTGTGCC CAGCGTGGGC CTGACCCGCA TCCTGCCTCA
CCTCTACCTG GGCTCGCAGA AGGACGTCTT AAACAAGGAT CTGATGACGC AAAATGGAAT AAGTACGTC CTCAACGCCA GCAACTCCTG CCCCAGCCT
GACTTCATCT GCGAGAGCCG TTCATGCGG GTCCCATCA ACGACAATA CTGTGAAAAA CTGCTGCCCT GGCTGGACAA GTCCATCGAG TTCATCGATA
AAGCCAAGCT CTCCAGCTGC CAAGTCATCG TCCACTGTCT GGCTGGCATC TCCGCTCTG CCACCATCGC CATCGCCTAC ATCATGAAGA CCATGGGCAT
GTCTCCGAC GACGCTACA GGTTCGTGAA GGACAGGCGC CCGTCCATCT CGCCCAACTT CAACTCCTG GGCAGCTGC TGGAGTACGA GCGCAGCCTG
AAGTGTCTGG CCGCCCTGCA GGGCGACCCG GGCACCCCT CAGGGACGCC GGAGCCTCCG CCCAGTCTG CCGCCGGGGC CCCGCTGCCA CGGCTGCCAC
CACCTACCTC AGAGAGCGCT GCCACAGGGA ATGCGGCTGC CAGGGAGGGC GGCCTGAGCG CGGGCGGGGA GCCCCCGCG CCCCCACGC CCCCGGCGAC
CAGCGCACTG CAGCAGGGCC TGC CGGCCTTCC TCGGACCGCC TGAGGACAC TAACCGCTC AAGCGCTCT TCTCCCTGGA CATCAAGTCT
GCCTACGCC CTAGCAGGGC GCCCGACGGC CCCGGGCCCC CCGACCCCG CGAGGCCCG AAGCTCTGCA AGCTGGACAG CCCGTCGGG GCCGCGCTGG
GCCTGTCTC GCCCAGCCCG GACAGCCCG ACGCCGCGC TGAGGCGCG CCACGCCCG GCCGGCGCC CCGGCCCGG CCGGCTCCC CCGCGCGCTC
CCCCGCGAC AGCCTCGGC TGAACCTCGG CGATGCGGC CGGCAGACT CCGGCACGG CCTCTGGCC CTGTGCGGC CCGGCTGCC CGGCCCTGGC
CAGCCGGGGT GCTGTTTGGC CCCTTCGGC GGGCGGGCG CCGGGACCA GCGGGCGGA GCGACCTGCG GCGGCGGGAG GCAGCGAGGG CTGAGCCCG
GGACGCGCG ACCGGCTGGC CCGAGGAGC GGCCTCGGAG ACGCAGTTCA AGCGCCGAG CTGCCAGATG GAGTTCGAGG AGGGCATGGT GGAGGGGCG
GCGCGCGCG AGGAGCTGGC CGCCCTGGC AAGCAGCGA GCTTCTCGG CAGCGTGGAG GTCATCGAGG TGTCTGA
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