

Certificate of Analysis

Product ID: OHu06830D Lot. No.: 807229073-1/R21198

Product Information:

Gene Symbol: FGD5 Accession No.: NM_152536

Cloning Vector: pcDNA3.1⁺/C-(K)DYK Gene Length*: 4389 bp

Cloning Strategy: CloneEZ Plasmid Size: 9779 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: 03/20/2016

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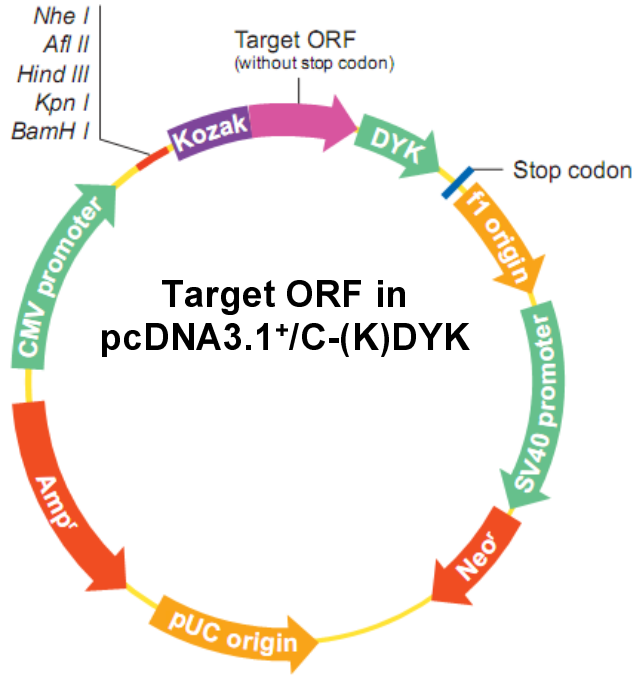
Fax: 1-732-210-0262

Email: order@genscript.com

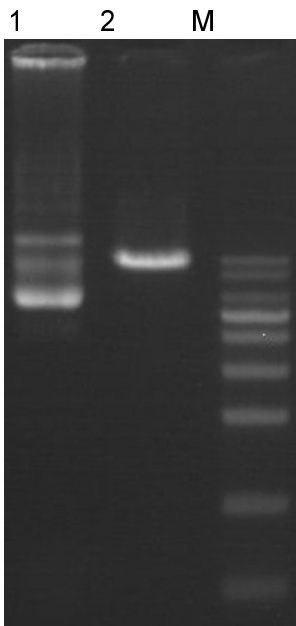
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Plasmid Construct Map

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

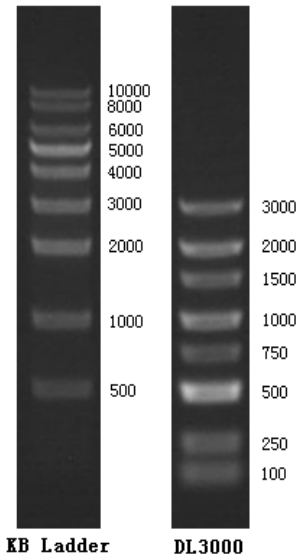


Enzyme Digestion



Lane M: KB Ladder
Lane 1: OHu06830D plasmid
Lane 2: OHu06830D plasmid digested by MluI

Digestion Conditions:
~ 300ng plasmid digested
Digestion in water-bath, 37°C for 40 minutes
1% Agarose Gel



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Original ORF Sequence (Including start and stop codons)

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ATGTTTCAGGG GTCCGAAGCC CCCCATGTCC CCCAAGCCCA GGCTGACTGC CCCAAACGAG TGGAGAGCCA GTGTGTACCT GAATGACAGC TTGAACAAAT
GCAGCAACCG GCGGCTGCC TGTGTAGACA GGGGGCTTGA TGAGGGGCC CGGTCCATCC CAAAGTGCTC TGAGTCGGAG ACCGACGAGG ATTACATCGT
GGTCCCAGG GTTCCGCTGA GGGAGGATGA ACCCAAGGAC GAGGGCAGTG TGGGGAACAA AGCCCTGGTG TCTCCCGAGT CCTCTGCGGA AGAGGAAGAG
GAGCGTGAAG AGGGAGGCCA GGCATGTGGC CTGGAGGGTA CAGGAGCTGG TGAGGATTCA GTGGCCCTG CTGCTCCGGG TGCAGGAGCG CTGAGCAGGG
AGGGTGAGGA AGGCACAGAC CTTGCTCTTG AGGATGAAGG GGAGGGCTGC GCTGATGAGC CAGGGACACT GGAGCAGGTG TCCAGAAGTG AGGAGGAAGA
GAAGCTAGTG CAGCCACACA GGGAGTGCAG CCTGGAGGAC AGTGGGCCTT GGGCTGGAGA GGGGGTCTTC CAGAGCGACC TCCTCTGCC TCACATCCAT
GGAGAGGACC AGGAGCCCC CGACACCCCC GGGGAGGCAG AGGAGGATGA TGAGGAAGGC TGTGCCAGCA CAGACCAGC AGGGGCAGAT GAGGGTTCGG
GTCTGACAG GCCCACGGAG GACATGGGAC AGGATGCTGA GGACACCAGT GAGGAGCCCC CTGAGAAGGA GGAGCTGGCC GGGGTCCAGG AGGCAGAGAC
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TGGGCCCTGC CCGTCAGGCG GCCCTGGAG AAGGAGGGCA GGCTGCATCG GACGCCCTGG GTGGTTATGG CTCGAAAGAA GAATTGAACT GTGAGGCAGA
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GCAGGGCCTT GCCAGCAAAG CCCAGGGCCT TTACTTTATA CCCTCGGTCG TTCTCCGTGG AAGGCCGAGA GATTCCAGTG TCCGTGTACC AGGAGCCTGA
GGGGTACAGG TTGGATGACC ACAGGATAAA GAGGAAAGAG GACAATCTCT CTCTGTCTGT TGTAAATGGC TCCTCTGGGA GTTCTCCCA GAGAAACCAC
CTTCCGTCCA GCGGCACCTC CACGCCTTCT TCCATGGTCG ACATCCCACC TCCTTTCGAC CTGGCCTGCA TCACCAAGAA GCCCATCACA AAGAGCTCTC
CCTCACTCCT GATCGAGAGC GACTCCCCGG ACAAGTACAA GAAGAAGAAG TCATCCTTTA AGCGCTTCTT GGCAGTACG TTTAAGAAGA AGACGGAGAA
CAAATTCAT GTGGATGTGA ACGTGTCTTC CTCTAGGTCC TCTTCAGAGT CCAGTACCA CCGGCCCTCC AGGATTCTGG AAGTTGACCG GAGAAGCCTC
AGCAACTCCC CTCAGCTTAA GTCTCGGACT GGGAAAGCTCC GGGCTTCTGA ATCCCCCTCC TCCCTCATCT TTTATAGAGA TGGCAAGAGG AAAGGTGTCC
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ACGAAGCTGT TTGAAGATCA GAGCAGAGCC CTGTCCACAG CAAACGAAAA TGATGGCTAC GTGGACATGA GCAGCTCAA CGCCTTTGAG AGCAAACAGC
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GCAGAGAAGC TCGGAGGAGG AGGACAGTGC TTCAAGAGAC CCCAGTGTCA CCCACAAGT GGAAGGACAG TCCAGAGCCC TTGTCATCGC ACAGGAACTG
CTATCTTCAG AGAAAGCATA CGTGGAGATG CTCCAGCACT TAAATCTGGA TTTCCATGGA GCTGTATGA GGGCCTTGGG TGACATGGAC CATGAAGGCA
GAGACACATT GGCCCGGGAG GAGCTGAGGC AGGGCCTGAG TGAATCCCA GCCATCCAGC ACCTTCATCA AGGCATCTCG GAGGAGCTGG AGGAAAGGCT
GTCAAATTGG GAGAGCCAGC AGAAGGTAGC TGACGTCTTC CTGGCCCGGG AGCAGGGGTT TGATCACCAC GCCACTCACA TCCTGCAGTT CGACAGGTAC
CTAGGTCTGC TCAGTGAGAA TTGCCTCCAC TCTCCCGGC TGGCAGCTGC TGTCCTGAA TTTGAGCAGA GTGTACAAGG AGGCAGCCAG ACTGCGAAGC
ATCGGCTGCT GCGGGTGGTT CAACCGCTCT TCCAGTACCA AGTGCTCCTC ACAGACTATT TAAACAACCT TTGTCCGGAC TCCGCCAGT ACGACAACAC
ACAGGGTGCA CTGAGCCTCA TCTCCAAAGT CACAGACCGT GCCAACGACA GCATGGAGCA AGGGGAAAACT CTGCAGAAGC TGGTCCACAT TGAGCACAGC
GTCCGGGGCC AAGGGGATCT CCTCCAGCCA GGAAGGGAGT TTCTGAAGGA AGGGACGCTG ATGAAAGTAA CAGGGAAAAA CAGACGGCCC CGGCACCTAT
TTCTGATGAA CGATGTGCTC CTGTACACCT ATCCCAGAA GGATGGGAAG TACCGGCTGA AGAACACATT GGCTGTGGCC AACATGAAGG TCAGCCGCC
TGTGATGGAG AAAGTGCCCT ACGCTCTAAA GATTGAGACT TCCGAGTCTT GCCTGATGCT GTCTGCGAGC TCCTGTGAGC AGAGGGACGA GTGGTATGGC
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AGAGGCCCCC CACCCTGGTG CCTGTACAC ACGTCATGAT GTGATGAAC TGGCGCTGCG ACTTCTCCCT CACCCTGCGG CGTCACTACT GTCACGCTG
TGGCAAGATC GTGTGCCGGA ACTGTTCCGG GAACAAGTAC CCGCTGAAGT ACCTGAAGGA CAGGATGGCC AAGGTCTGCG ACGGTGCTT CGGGGAGCTG
AAGAAGCGGG GCAGGGCTGT CCGGGGCTG ATGAGAGAGC GGCCTGTGAG CATGAGCTTC CCGCTGTCTT CACCCCGCTT CTCGGGCAGT GCCTTTTCAT
CCGTCTTCCA GAGCATTAACT CCTCGACCT TCAAGAAGCA GAAGAAAGTC CCTTCAGCCC TGACAGAGGT GGCTGCCTCT GGAGAGGGCT CTGCCATCAG
TGGCTATCTC AGCCGGTGTA AGAGGGGCAA GCGGCACTGG AAGAAGCTCT GGTTTGTGAT CAAAGGCAA GTTCTCTACA CCTACATGGC CAGTGAAGAC
AAAGTGGCCT TGGAGAGTAT GCCTCTGCTA GGCTTACCA TTGCTCCAGA AAAGGAAGAG GGCAGCAGTG AAGTAGGACC TATTTTTCAC CTTTACCACA
AGAAAACCTT ATTTTATAGC TTCAAAGCAG AAGATACCAA TTCAGCTCAG AGGTGGATCG AGGCCATGGA AGATGCGAGT GTGTTATAG
  
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