

Certificate of Analysis

Product ID: OHu26895D Lot. No.: 817240487-1/R54593

Product Information:

Gene Symbol: ATG16L1 Accession No.: NM_030803

Cloning Vector: pcDNA3.1⁺/C-(K)DYK Gene Length*: 1824 bp

Cloning Strategy: CloneEZ Plasmid Size: 7214 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

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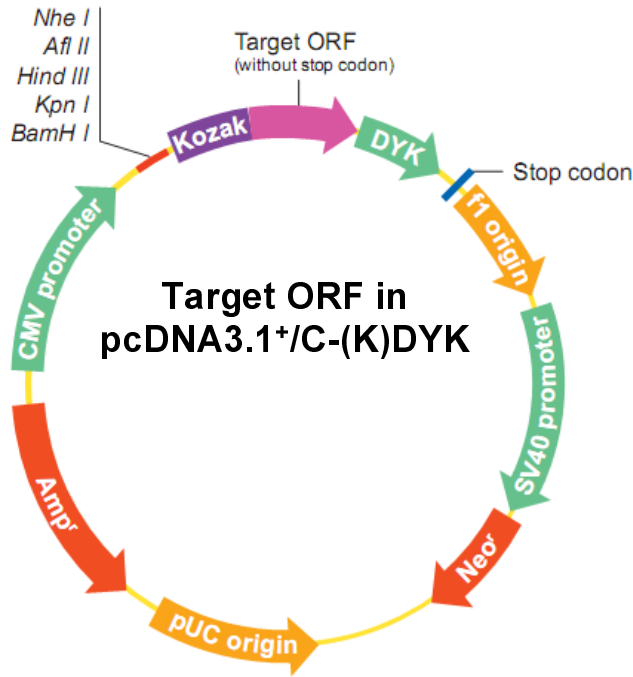
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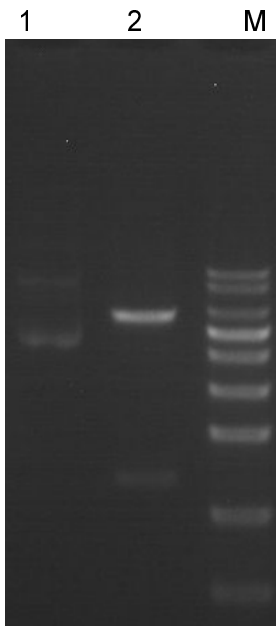
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Plasmid Construct Map

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

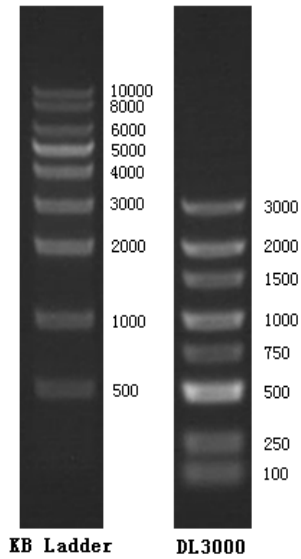


Enzyme Digestion



Lane M: KB Ladder
Lane 1: OHu26895D plasmid
Lane 2: OHu26895D plasmid digested by BamHI

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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ATGTCGTCGG GCCTCCGCGC CGTGACTTC CCCCCTGGA AGCGCCACAT CTCGGAGCAA CTGAGGCGCC GGGACCGGCT GCAGAGACAG GCGTTCGAGG
AGATCATCCT GCAGTATAAC AAATTGCTGG AAAAGTCAGA TCTTCATTCA GTGTTGGCCC AGAAACTACA GGCTGAAAAG CATGACGTAC CAAACAGGCA
CGAGATAAGT CCCGGACATG ATGGCACATG GAATGACAAT CAGCTACAAG AAATGGCCCA ACTGAGGATT AAGCACCAAG AGGAACTGAC TGAATTACAC
AAGAAACGTG GGGAGTTAGC TCAACTGGTG ATTGACCTGA ATAACCAAAT GCAGCGGAAG GACAGGGAGA TGCAGATGAA TGAAGCAAAA ATTGCAGAAT
GTTTGCAGAC TATCTCTGAC CTGGAGACGG AGTGCCTAGA CCTGCCCACT AAGCTTTGTG ACCTTGAAAAG AGCCAACCAG ACCCTGAAGG ATGAATATGA
TGCCCTGCAG ATCACTTTTA CTGCCCTGGA GGGAAAACTG AGGAAAACTA CGGAAGAGAA CCAGGAGCTG GTCACCAGAT GGATGGCTGA GAAAGCCCAG
GAAGCCAATC GGCTTAATGC AGAGAATGAA AAAGACTCCA GGAGGCGGCA AGCCCGGCTG CAGAAAGAGC TTGCAGAAGC AGCAAAGGAA CCTCTACCAG
TCGAACAGGA TGATGACATT GAGGTCATTG TGGATGAAAC TTCTGATCAC ACAGAAGAGA CCTCTCCTGT GCGAGCCATC AGCAGAGCAG CCACTAAGCG
ACTCTCGCAG CCTGCTGGAG GCCTTCTGGA TTCTATCACT AATATCTTTG GGAGACGCTC TGTCTCTTCC TTCCCAGTCC CCCAGGACAA TGTGGATACT
CATCCTGGTT CTGGTAAAAG AGTGAGGGTA CCAGCTACTG CCTTGTGTGT TTTCGATGCA CATGATGGGG AAGTCAACGC TGTGCAGTTC AGTCCAGGTT
CCCGGTTACT GGCCACTGGA GGCATGGACC GCAGGGTTAA GCTTTGGGAA GTATTTGGAG AAAAATGTGA GTTCAAGGGT TCCCTATCTG GCAGTAATGC
AGGAATTACA AGCATTGAAT TTGATAGTGC TGGATCTTAC CTCTTAGCAG CTTCAAATGA TTTTGAAGC CGAATCTGGA CTGTGGATGA TTATCGATTA
CGGCACACAC TCACGGGACA CAGTGGGAAA GTGCTGTCTG CTAAGTTCCT GCTGGACAAT GCGCGGATTG TCTCAGGAAG TCACGACCGG ACTCTCAAAC
TCTGGGATCT ACGCAGCAAA GTCTGCATAA AGACAGTGTG TGCAGGATCC AGTTGCAATG ATATTGTCTG CACAGAGCAA TGTGTAATGA GTGGACATTT
TGACAAGAAA ATTCGTTTCT GGGACATTCG ATCAGAGAGC ATAGTTCGAG AGATGGAGCT GTTGGGAAAAG ATTACTGCC TGGACTTAAA CCCAGAAAAG
ACTGAGCTCC TGACCTGCTC CCGTGATGAC TTGCTAAAAG TTATTGATCT CCGAACAAAT GCTATCAAGC AGACATTGAG TGCACCTGGG TTCAAGTGGC
GCTCTGACTG GACCAGAGTT GTCTTCAGCC CTGATGGCAG TTACGTGGCG GCAGGCTCTG CTGAGGGCTC TCTGTATATC TGGAGTGTGC TCACAGGAAA
AGTGGAAAAG GTTCTTTCAA AGCAGCACAG CTCATCCATC AATGCGGTGG CGTGGTCGCC CTCTGGCTCG CACGTTGTCA GTGTGGACAA AGGATGCAAA
GCTGTGCTGT GGGCACAGTA CTGA
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