

Certificate of Analysis

Product ID: OHu14570D Lot. No.: 807228757-1/M82513

Product Information:

Gene Symbol: ATG16L1 Accession No.: NM_001190267

Cloning Vector: pcDNA3.1⁺/C-(K)DYK Gene Length*: 1476 bp

Cloning Strategy: CloneEZ Plasmid Size: 6866 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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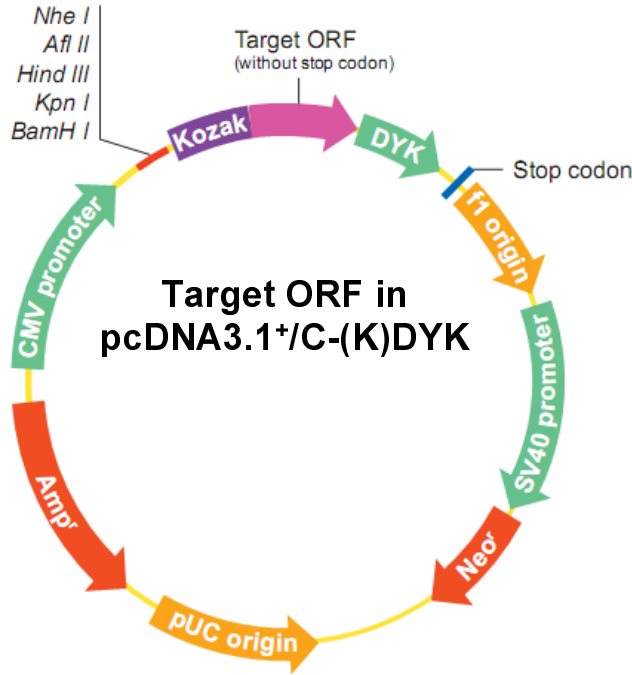
Fax: 1-732-210-0262

Email: order@genscript.com

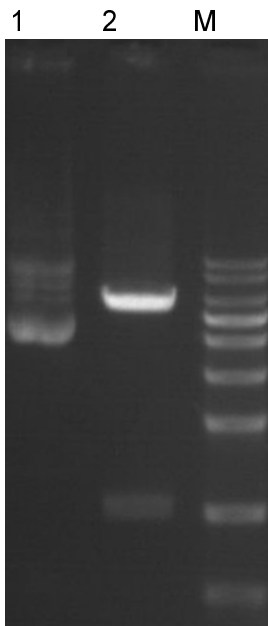
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Plasmid Construct Map

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

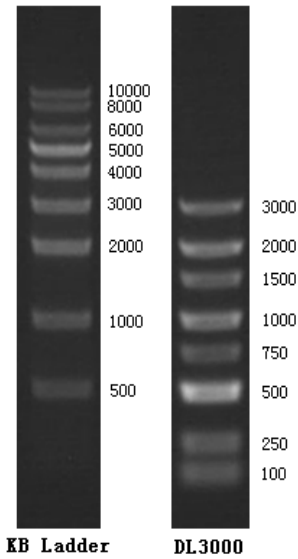


Enzyme Digestion



Lane M: KB Ladder
Lane 1: OHu14570D plasmid
Lane 2: OHu14570D 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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ATGCAGCGGA AGGACAGGGA GATGCAGATG AATGAAGCAA AAATTGCAGA ATGTTTGAG ACTATCTCTG ACCTGGAGAC GGAGTGCCTA GACCTGCGCA
CTAAGCTTTG TGACCTTGAA AGAGCCAACC AGACCCTGAA GGATGAATAT GATGCCCTGC AGATCACTTT TACTGCCTTG GAGGGAAAAC TGAGGAAAAC
TACGGAAGAG AACCAGGAGC TGGTCACCAG ATGGATGGCT GAGAAAGCCC AGGAAGCCAA TCGGCTTAAT GCAGAGAATG AAAAAAGACTC CAGGAGGCGG
CAAGCCCGGC TGCAGAAAAG GCTTGCAGAA GCAGAAAAG AACCTCTACC AGTCGAACAG GATGATGACA TTGAGGTCAT TGTGGATGAA ACTTCTGATC
ACACAGAAGA GACCTCTCCT GTGCGAGCCA TCAGCAGAGC AGCCACTAAG CGACTCTCGC AGCCTGCTGG AGGCCTTCTG GATTCTATCA CTAATATCTT
TGGGAGACGC TCTGTCTCTT CCTTCCCAGT CCCCAGGAC AATGTGGATA CTCATCCTGG TTCTGGTAAA GAAGTGAGGG TACCAGCTAC TGCCTTGTGT
GTCTTCGATG CACATGATGG GGAAGTCAAC GCTGTGCAGT TCAGTCCAGG TTCCCGGTTA CTGGCCACTG GAGGCATGGA CCGCAGGGTT AAGCTTTGGG
AAGTATTTGG AGAAAAATGT GAGTTCAAG GTTCCCTATC TGGCAGTAAT GCAGGAATTA CAAGCATTGA ATTTGATAGT GCTGGATCTT ACCTCTTAGC
AGCTTCAAAT GATTTTGAA GCCGAATCTG GACTGTGGAT GATTATCGAT TACGGCACAC ACTCACGGGA CACAGTGGGA AAGTGCTGTC TGCTAAGTTC
CTGCTGGACA ATGCGCGGAT TGTCTCAGGA AGTCACGACC GGACTCTCAA ACTCTGGGAT CTACGCAGCA AAGTCTGCAT AAAGACAGTG TTTGCAGGAT
CCAGTTGCAA TGATATTGTC TGCACAGAGC AATGTGTAAT GAGTGGACAT TTTGACAAGA AAATTCGTTT CTGGGACATT CGATCAGAGA GCATAGTTCCG
AGAGATGGAG CTGTTGGGAA AGATTACTGC CCTGGACTTA AACCCAGAAA GGACTGAGCT CCTGAGCTGC TCCCGTGATG ACTTGCTAAA AGTTATTGAT
CTCCGAACAA ATGCTATCAA GCAGACATTC AGTGCACCTG GGTTCAGTG CCGCTCTGAC TGGACCAGAG TTGTCTCAG CCCTGATGGC AGTTACGTGG
CGGCAGGCTC TGCTGAGGGC TCTCTGTATA TCTGGAGTGT GCTCACAGGG AAAGTGGAAA AGGTTCTTTC AAAGCAGCAC AGCTCATCCA TCAATGCGGT
GGCGTGGTCG CCCTCTGGCT CGCACGTTGT CAGTGTGGAC AAAGGATGCA AAGCTGTGCT GTGGGCACAG TACTGA
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