

Certificate of Analysis

Product ID: OHu14614D Lot. No.: 807228769-1/M82515

Product Information:

Gene Symbol: ATG16L1 Accession No.: NM_001190266

Cloning Vector: pcDNA3.1⁺/C-(K)DYK Gene Length*: 1572 bp

Cloning Strategy: CloneEZ Plasmid Size: 6962 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

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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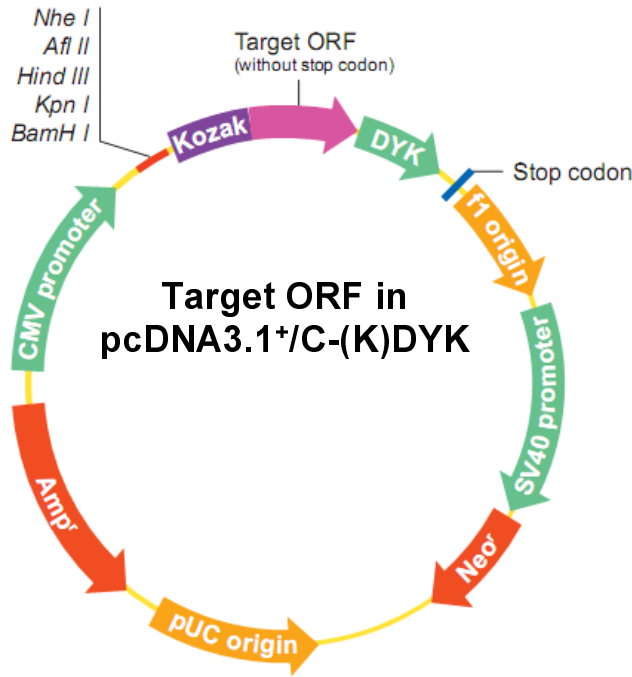
Fax: 1-732-210-0262

Email: order@genscript.com

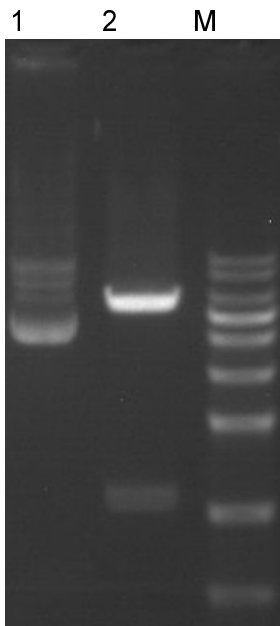
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Plasmid Construct Map

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

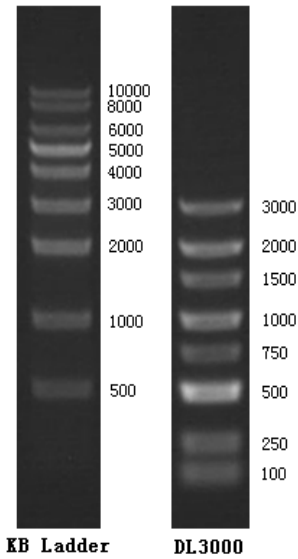


Enzyme Digestion



Lane M: KB Ladder
Lane 1: OHu14614D plasmid
Lane 2: OHu14614D 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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ATGGCCCAAC TGAGGATTAA GCACCAAGAG GAACTGACTG AATTACACAA GAAACGTGGG GAGTTAGCTC AACTGGTGAT TGACCTGAAT AACCAAATGC
AGCGGAAGGA CAGGGAGATG CAGATGAATG AAGCAAAAAT TGCAGAATGT TTGCAGACTA TCTCTGACCT GGAGACGGAG TGCCTAGACC TGCGCACTAA
GCTTTGTGAC CTTGAAAGAG CCAACCAGAC CCTGAAGGAT GAATATGATG CCCTGCAGAT CACTTTTACT GCCTTGGAGG GAAAACTGAG GAAAACTACG
GAAGAGAACC AGGAGCTGGT CACCAGATGG ATGGCTGAGA AAGCCCAGGA AGCCAATCGG CTTAATGCAG AGAATGAAAA AGACTCCAGG AGGCGGCAAG
CCCGGCTGCA GAAAGAGCTT GCAGAAGCAG CAAAGGAACC TCTACCAGTC GAACAGGATG ATGACATTGA GGCATTGTG GATGAAACTT CTGATCACAC
AGAAGAGACC TCTCCTGTGC GAGCCATCAG CAGAGCAGCC ACTAAGCGAC TCTCGCAGCC TGCTGGAGGC CTTCTGGATT CTATCACTAA TATCTTTGGG
AGACGCTCTG TCTCTTCCTT CCCAGTCCCC CAGGACAATG TGGATACTCA TCCTGGTCTT GGTAAGAAG TGAGGGTACC AGCTACTGCC TTGTGTGTCT
TCGATGCACA TGATGGGGAA GTCAACGCTG TGCAGTTCAG TCCAGGTTCC CGGTTACTGG CCACTGGAGG CATGGACCGC AGGGTTAAGC TTGCGGAAGT
ATTTGGAGAA AAATGTGAGT TCAAGGGTTC CCTATCTGGC AGTAATGCAG GAATTACAAG CATTGAATTT GATAGTCTG GATCTTACCT CTAGCAGCT
TCAAATGATT TTGCAAGCCG AATCTGGACT GTGGATGATT ATCGATTACG GCACACACTC ACGGGACACA GTGGGAAAGT GCTGTCTGCT AAGTTCTTGC
TGGACAATGC GCGGATTGTC TCAGGAAGTC ACGACCGGAC TCTCAAACCT TGGGATCTAC GCAGCAAAGT CTGCATAAAG ACAGTGTTTG CAGGATCCAG
TTGCAATGAT ATTGCTGCA CAGAGCAATG TGTAAATGAGT GGACATTTTG ACAAGAAAAA TCGTTTCTGG GACATTTCGAT CAGAGAGCAT AGTTCGAGAG
ATGGAGCTGT TGGGAAAGAT TACTGCCCTG GACTTAAACC CAGAAAGGAC TGAGCTCCTG AGCTGCTCCC GTGATGACTT GCTAAAAGTT ATTGATCTCC
GAACAAATGC TATCAAGCAG ACATTCAGTG CACCTGGGTT CAAGTGCGGC TCTGACTGGA CCAGAGTTGT CTCAGCCCT GATGGCAGTT ACGTGGCGGC
AGGCTCTGCT GAGGGCTCTC TGTATATCTG GAGTGTGCTC ACAGGGAAAAG TGGAAAAGGT TCTTTCAAAG CAGCACAGCT CATCCATCAA TCGGGTGGCG
TGGTCGCCCT CTGGCTCGCA CGTTGTCAGT GTGGACAAAG GATGCAAAGC TGTGCTGTGG GCACAGTACT GA
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