

# Certificate of Analysis

Product ID: OHu16429D Lot. No.: 774760-430/P59278

Product Information:

Gene Symbol: KEAP1 Accession No.: NM\_012289

Cloning Vector: pcDNA3.1<sup>+</sup>/C-(K)DYK Gene Length\*: 1875 bp

Cloning Strategy: CloneEZ Plasmid size: 7265 bp

Antibiotic resistance: Ampicillin, recommended concentration: 50µg/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: 12/15/2015

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

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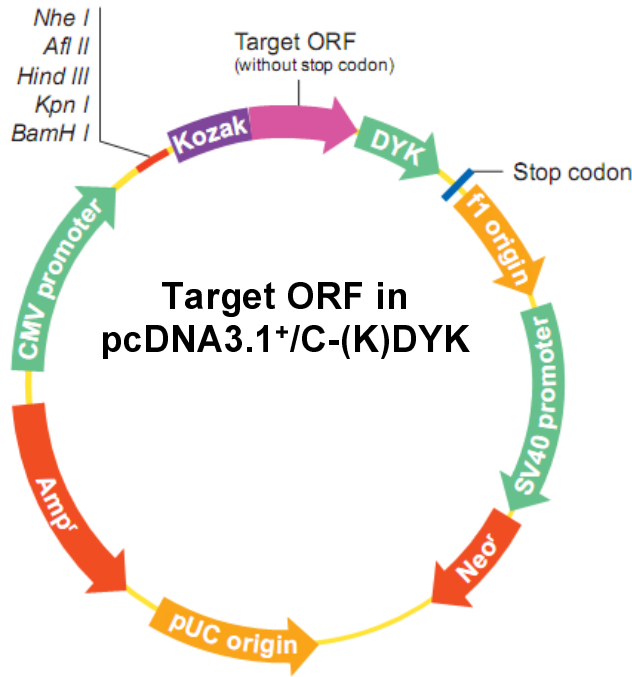
Fax: 1-732-210-0262

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

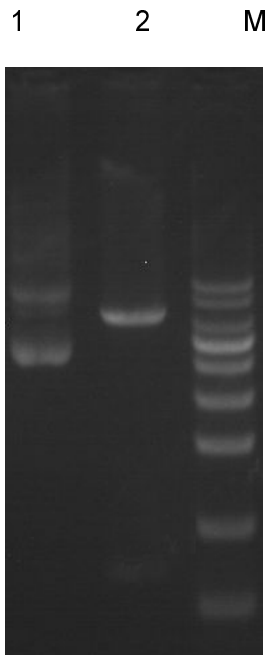
Web: [www.genscript.com](http://www.genscript.com)

**Plasmid Construct Map**

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

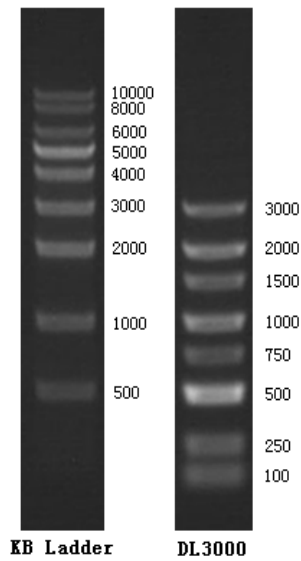


**Enzyme Digestion**



Lane M: KB Ladder  
Lane 1: OHu16429D plasmid  
Lane 2: OHu16429D plasmid digested by MluI and 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)**

```
ATGCAGCCAG ATCCAGGCC TAGCGGGCT GGGGCCTGCT GCCGATTCCT GCCCCTGCAG TCACAGTGCC CTGAGGGGGC AGGGGACGCG GTGATGTACG
CCTCCACTGA GTGCAAGGCG GAGGTGACGC CCTCCCAGCA TGGCAACCGC ACCTTCAGCT ACACCCTGGA GGATCATAACC AAGCAGGCCT TTGGCATCAT
GAACGAGCTG CGGCTCAGCC AGCAGTGTG TGACGTACA CTGCAGGTCA AGTACCAGGA TGCACCGGCC GCCCAGTTCA TGGCCACAA GGTGGTGCTG
GCCTCATCCA GCCCTGTCTT CAAGGCCATG TTCACCAACG GGCTGCGGGA GCAGGCCATG GAGGTGGTGT CCATTGAGGG TATCCACCCC AAGGTATGG
AGCGCCTCAT TGAATTCGCC TACACGGCCT CCATCTCCAT GGGCGAGAAG TGTGTCTCC ACGTCATGAA CGGTGCTGTC ATGTACCAGA TCGACAGCGT
TGTCCGTGCC TGCAGTGACT TCCTGGTGCA GCAGCTGGAC CCCAGCAATG CCATCGGCAT CGCCAACTTC GCTGAGCAGA TTGGCTGTGT GGAGTTGCAC
CAGCGTGCCC GGGAGTACAT CTACATGCAT TTTGGGGAGG TGGCCAAGCA AGAGGAGTTC TTCAACCTGT CCCACTGCCA ACTGGTGACC CTCATCAGCC
GGGACGACCT GAACGTGCGC TGGAGTCCG AGGTCTTCCA CGCCTGCATC AACTGGGTCA AGTACGACTG CGAACAGCGA CGGTCTTACG TCCAGGCGCT
GCTGCGGGCC GTGCGTGGC ACTCGTTGAC GCCGAACTTC CTGCAGATGC AGCTGCAGAA GTGCGAGATC CTGCAGTCCG ACTCCCGCTG CAAGGACTAC
CTGGTCAAGA TCTTCGAGGA GCTCACCCTG CACAAGCCCA CGCAGGTGAT GCCCTGCCGG GCGCCCAAGG TGGGCCGCT GATCTACACC GCGGGCGGCT
ACTTCCGACA GTCGCTCAGC TACCTGGAGG CTTACAACCC CAGTGACGGC ACCTGGCTCC GGTGGCGGA CTGCGAGGTG CCGCGGAGCG GCCTGGCCGG
CTGCGTGGTG GCGGGGCTGT TGTACGCCGT GGGCGGCAGG AACAACTCGC CCGACGGCAA CACCGACTCC AGCGCCCTGG ACTGTTACAA CCCCATGACC
AATCAGTGGT CGCCTGCGC CCCCATGAGC GTGCCCGTA ACCGCATCGG GGTGGGGGTC ATCGATGGCC ACATCTATGC CGTCGGCGGC TCCCACGGCT
GCATCCACCA CAACAGTGTG GAGAGGTATG AGCCAGAGCG GGATGAGTGG CACTTGGTGG CCCCAATGCT GACACGAAGG ATCGGGGTGG GCGTGGCTGT
CCTCAATCGT CTCCTTTATG CCGTGGGGG CTTGACGGG ACAAACCGCC TTAATTCAGC TGAGTGTAC TACCCAGAGA GGAACGAGTG GCGAATGATC
ACAGCAATGA ACACCATCCG AAGCGGGCA GCGTCTCGG TCCTGCACAA CTGTATCTAT GCTGCTGGG GCTATGATGG TCAGGACCAG CTGAACAGCG
TGGAGCGCTA CGATGTGAA ACAGAGACGT GGACTTTTCT AGCCCCATG AAGCACCAGC GAAGTGCCCT GGGGATCACT GTCCACCAGG GGAGAATCTA
CGTCCTTGA GGCTATGATG GTCACACGTT CCTGGACAGT GTGGAGTGT ACGACCCAGA TACAGACACC TGGAGCGAGG TGACCCGAAT GACATCGGGC
CGGAGTGGG TGGCGTGGC TGTCACCATG GAGCCCTGCC GGAAGCAGAT TGACCAGCAG AACTGTACCT GTTGA
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