

Certificate of Analysis

Product ID: OHu04954D Lot. No.: 807231627-1/H79523

Product Information:

Gene Symbol: ACOT8 Accession No.: NM_005469

Cloning Vector: pcDNA3.1⁺/C-(K)DYK Gene Length*: 960 bp

Cloning Strategy: CloneEZ Plasmid Size: 6350 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: 05/01/2016

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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Toll-Free: 1-877-436-7274

Tel: 1-732-885-9188

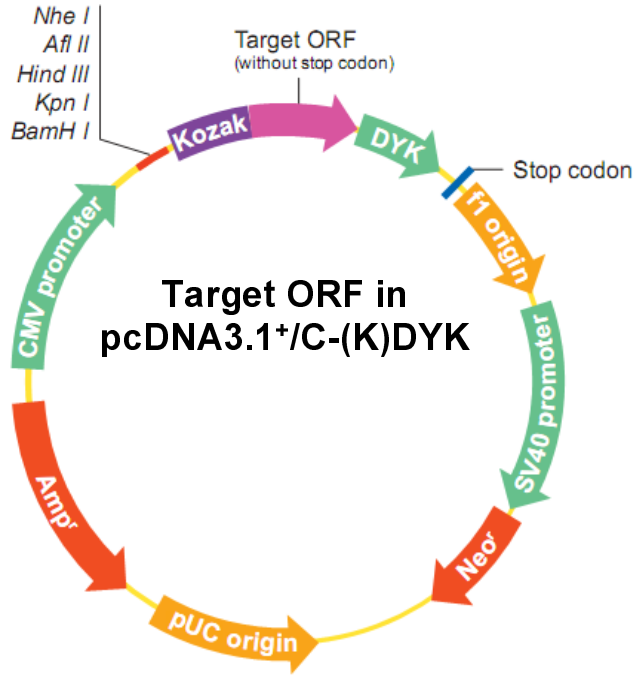
Fax: 1-732-210-0262

Email: order@genscript.com

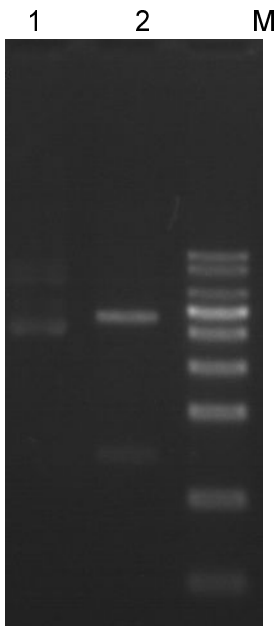
Web: www.genscript.com

Plasmid Construct Map

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

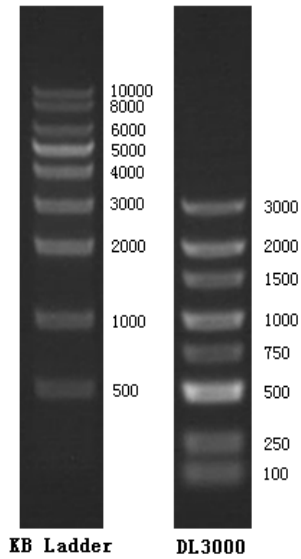


Enzyme Digestion



Lane M: KB Ladder
Lane 1: OHu04954D plasmid
Lane 2: OHu04954D plasmid digested by SmaI

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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ATGTCGTCCC CGCAGGCCCC AGAAGATGGG CAGGGCTGTG GCGACCGCGG CGATCCCCTT GGGGACCTCC GTAGCGTCTT GGTCACGACC GTGCTCAACC
TCGAGCCGCT GGACGAGGAT CTCTTCAGAG GAAGGCATTA CTGGGTACCG GCCAAGAGGC TGTTTGGTGG TCAGATCGTG GGCCAGGCCC TGGTGGCTGC
AGCCAAGTCT GTGAGTGAAG ACGTCCACGT GCACTCCCTG CACTGCTACT TTGTTCCGGC AGGGGACCCG AAGCTGCCAG TACTGTACCA AGTGGAGCGG
ACACGAACAG GGTGAGCTT CTCGGTGC GCCTGGAAG CCGTGCAACA TGGGAAGCCC ATCTTCATCT GCCAGGCCTC CTTCCAGCAG GCCCAGCCCA
GCCCCATGCA GCACCAAGTTC TCCATGCCCA CTGTGCCACC ACCAGAAGAG CTGCTTGACT GTGAGACCCT CATTGACCAG TATTTAAGGG ACCCTAACCT
CCAAAAGAGG TACCCATTGG CGCTCAACCG AATTGCTGCT CAGGAGGTCC CCATTGAGAT CAAGCCAGTA AACCCATCCC CCCTGAGCCA GCTGCAGAGA
ATGGAGCCCA AACAGATGTT CTGGGTGCGA GCCCGGGGCT ATATTGGCGA GGGCGACATG AAGATGCACT GCTGCGTGGC CGCCTATATC TCCGACTATG
CCTTCTTGGG CACTGCACTG CTGCCTCACC AGTGGCAGCA CAAGGTGCAC TTCATGGTCT CACTGGACCA TTCCATGTGG TTCCACGCCC CCTTCCGAGC
TGACCACTGG ATGCTCTATG AATGCGAGAG CCCCTGGGCC GGTGGCTCTC GGGGGCTGGT CCATGGGCGG CTGTGGCGTC AGGATGGAGT CCTAGCTGTG
ACCTGTGCCC AGGAGGGCGT GATCCGAGTG AAGCCCCAGG TCTCAGAGAG CAAGCTGTAG
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