

Certificate of Analysis

Product ID: OHu06814D Lot. No.: 817288941-1/F94057

Product Information:

Gene Symbol: LCA5L Accession No.: NM_152505

Cloning Vector: pcDNA3.1⁺/C-(K)DYK Gene Length*: 2013 bp

Cloning Strategy: CloneEZ Plasmid Size: 7403 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: 10/25/2016

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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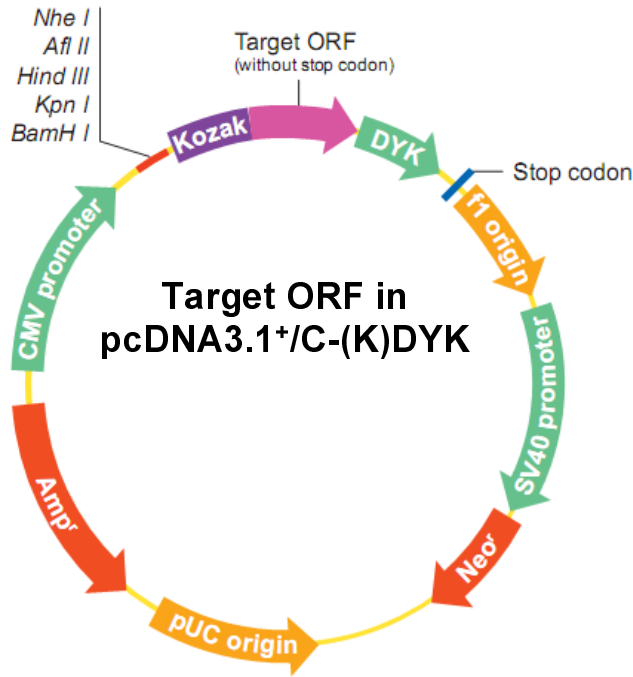
Fax: 1-732-210-0262

Email: order@genscript.com

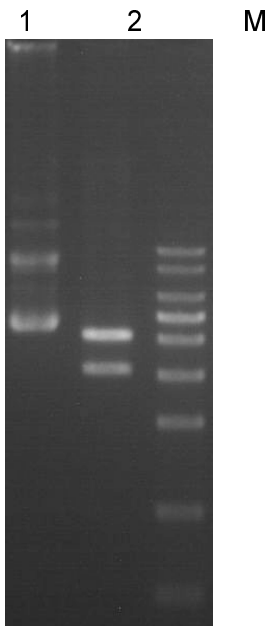
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Plasmid Construct Map

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

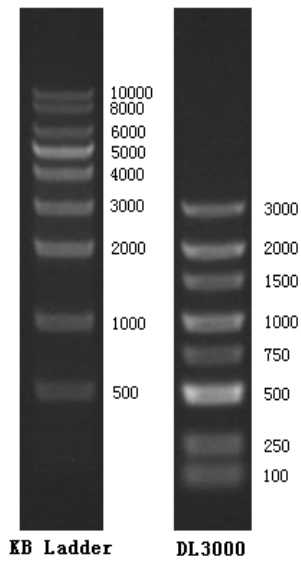


Enzyme Digestion



Lane M: KB Ladder
Lane 1: OHu06814D plasmid
Lane 2: OHu06814D plasmid digested
by HindIII and 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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ATGTCTTTGG CTGATCTAAC AAAACAAAT ATAGATGAGC ATTTCTTCGG CGTGGCATT AAAAAAATA GGAGGTCTGC AGCATGCAAG AGAAGCCCAG
GCACAGGCGA TTTTTCACGG AACAGTAATG CTTCCAATAA GAGTGTGAT TATAGCAGAT CTCAGTGCTC CTGTGGAAGT TTAAGTTCTC AGTATGATTA
TTCAGAAGAC TTTCTCTGTG ATTGTTGAGA AAAGGCTATT AATAGAAATT ATTTAAAGCA GCCTGTGGTA AAAGAAAAGG AGAAGAAAAA GTATAATGTT
TCTAAAACTC CCCAATCTAA AGGCCAGAAG GAAATATCAG TTGAAAAAAA GCACACCTGG AATGCATCAC TCTTTAATTC TCAATCCAT ATGATTGCC
AAAGAAGAGA TGCTATGGCT CATCGAATAC TCTCAGCAAG GCTTCATAAA ATTAAGGAC TAAAAAATGA ATTAGCTGAT ATGCATCATA AATTGGAAGC
CATCCTTACA GAAAACCAAT TTTGAAACA ACTTCAGCTT AGGCATTTGA AAGCTATAGG AAAATATGAG AATTCACAAA ATAATCTACC TCAAATTATG
GCTAAACATC AGAATGAAGT AAAAAATTTA AGGCAACTAC TTAGGAAATC CCAGGAAAAG GAAAGAATC TATCTAGGAA ACTTAGAGAA ACTGACAGCC
AGTTACTGAA GACTAAAGAT ATCTTGCAGG CACTGCAGAA ACTTTCTGAA GACAAAAACC TTGCAGAAAG GGAAGAATC ACTCATAAAT TATCTATTAT
CACAAACAAA ATGGACGCAA ATGACAAAAA AATACAGAGC TTGAAAAAAC AACTGAGGTT GAACTGCAGA GCCTTTAGCC GGCAGCTGGC TATTGAGACT
CGGAAGACTT TAGCAGCTCA GACAGCTACC AAGACTCTGC AGGTGGAAGT AAAACACCTT CAACAAAAAC TTAAGGAAAA GGATCGTGAG CTTGAAATTA
AAAACATCTA TAGTCATCGA ATACTTAAAA ATTTACATGA CACAGAGGAC TATCCAAAAG TTTCTTCAAC AAAATCAGTC CAAGCAGACA GAAAAATTTT
GCCATTCACA AGTATGAGAC ACCAGGGAAC CCAAAAATCA GATGTTCCAC CTTTGACAAC TAAGGGTAAA AAGGCAACAG GAAACATCGA TCATAAAGAA
AAATCAACTG AAATAAATCA TGAAATTCCT CACTGTGTGA ATAACTACC AAAGCAAGAG GATTCTAAGA GAAAATATGA AGATTATCA GGGGAAGAGA
AACATTTGGA AGTCCAAATA CTGCTGGAGA ATACTGGAAG AAAAAAGAC AAAAAAGAAG ACCAAGAAAA GAAAAACATT TTTGTGAAAG AAGAGCAAGA
ACTACCACCA AAAATAATTG AAGTTATTCA TCCTGAAAGA GAAAGCAATC AAGAAGATGT TCTAGTAAGA GAAAAGTTA AAAGAAGCAT GCAGAGAAAT
GGTGTGGATG ACACACTTGG CAAAGGCACT GCTCCCTACA CGAAAGGCC CCTCAGACAA AGAAGACATT ACTCATTAC AGAAGCAACT GAAAACTGC
ATCATGGGCT TCCTGCTTCA GGGGGGCCAG CCAATGCCGG CAACATGAGG TACAGTCATA GTACAGGCAA GCATCTCAGT AACAGAGAGG AAATGGAGCT
AGAGCATTCT GACAGTGGGT ATGAGCCCTC ATTTGGTAAG TCTTCCAGAA TAAAAGTGAA GGATACAAC TTCAGAGATA AGAAAAGCAG TCTCATGAA
GAACTCTTTG GATCAGGCTA TGTCTTGAAG ACTGACCAAT CAAGTCTGG TGTGCAAAA GGCTCAGAGG AGCCTTTGCA AAGTAAGGAG TCGCATCCCC
TGCCTCCAG TCAGGCCTCC ACCAGCCATG CTTTCGGAGA CTCTAAAGTA ACTGTGGTAA ATTCTATTA GCCATCGTCA CCTACAGAAG GAAAAAGAAA
AATAATTATT TAA
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