

Certificate of Analysis

Product ID: OHu07011D Lot. No.: 9173125-1/E26213

Product Information:

Gene Symbol: COL13A1 Accession No.: NM_001130103.1

Cloning Vector: pcDNA3.1⁺/C-(K)DYK Gene Length*: 2154 bp

Cloning Strategy: CloneEZ Plasmid Size: 7544 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: 06/30/2017

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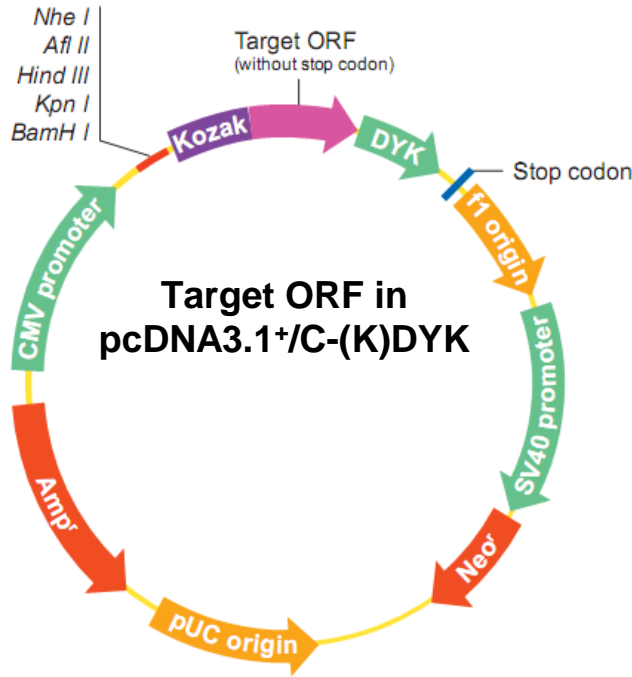
Fax: 1-732-210-0262

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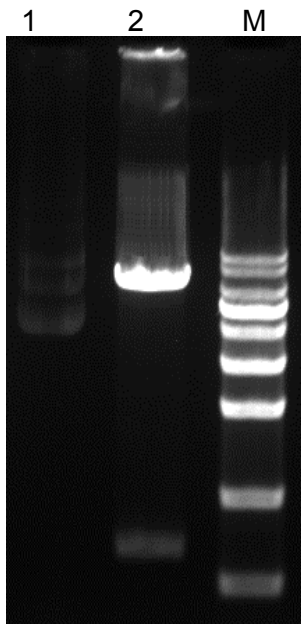
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Plasmid Construct Map

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

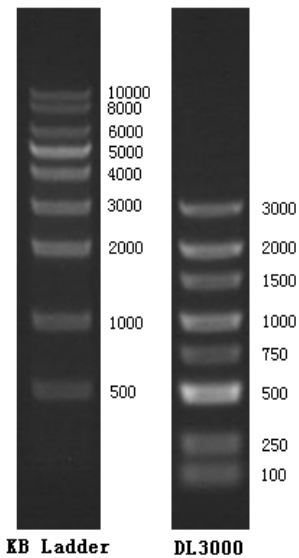


Enzyme Digestion



Lane M: KB Ladder
Lane 1: OHu07011D plasmid
Lane 2: OHu07011D plasmid digested by HindIII and MluI

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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ATGGTAGCGG AGCGCACCCA CAAAGCGGCA GCCACCGGTG CCCGCGGCC TGGGAGTTG GCGCGCCCG GGACGGTGGC TCTGGTGGCG GCGCGGCGG
AGCGCGGCGC ACGGCTGCCG AGTCCAGGGT CGTGCGGGCT GCTGACGCTG GCCCTCTGCT CGCTGGCACT CAGCCTGCTC GCCCACTTTC GGACGGCCGA
GCTGCAGGCC CGGGTGCTGC GCCTGGAAGC GGAGCGCGGG GAGCAGCAAA TGGAGACGGC TATTTTGGGA CGAGTCAATC AACTGCTGGA CGAGAAATGG
AAGCTCCACT CAAGGAGGCG CCGGGAGGCC CCAAAGACAT CTCCAGGATG TAACTGCCA CCAGGACCTC CTGGTCCCAC TGGAAGACCC GGACTCCCAG
GGGACAAAGG TGCCATTGGG ATGCCTGGAC GTGTGGGGTC CCCCGGAGAC GCTGGGCTGT CCATCATTGG TCCCCGCGGC CCCCTGGTC AACCAGGAAC
TAGAGTTTTC CCTGGATTC CGGGTCCCAT TGGGTGGAC GGCAAACCG GCCACCCAGG ACCAAAGGGC GACATGGGTC TGACGGGTCC CCCAGGACAG
CCGGGACCCC AGGGACAAA AGGAGAAAAG GGTCAAGTGT GAGAGTACCC ACACCGGGAG TGCCTAAGCA GCATGCCAGC AGCTCTGCGC TCCAGCCAAA
TAATTGCCCT GAAGCTGCTG CCTCTCTCA ATTCAGTGC ACTGGCTCCA CCCCCGTCA TAAAAAGGC GACGTCCAG GGCGAACAGA GCCAGGCCAG
CATCCAAGGT CCACCAGGGC CCCAGGCC CCCTGGACCA AGTGGACCTC TGGGGCACCC AGGACTGCCA GGCCTATGG GGCCACCTGG CTACCTGGG
CCTCCTGGAC CAAAGGGAGA CCCAGGGATC CAGGGCTACC ACGCCGGAA GGGAGAACGG GGCATGCCAG GGATGCCAG CAAGCATGGA GCCAAGGGGG
CGCCCGAAT TGCCGTGGT GGGATGAAG GTGAGCCAG GATCCCAGGA ACCAAGGGTG AGAAGGGGC TGAAGGCTCC CCTGGGCTTC CTGGCTCCT
GGGGCAGAAG GGAGAGAAAG GCGATGCTGG CAACTCCATT GGAGGAGCA GAGGGGAACC TGGCCCTCA GGGCTCCCTG GGCCCCCAGG GCCAAAGGGA
GAAGCAGGTG TCGATGGCCA GGTTGGCCCC CCAGGGCAGC CAGGAGACAA GGGGGAGCGT GGAGCAGCTG GAGAACAGGG ACCAGATGGC CCCAAGGGCT
CCAAGGGAGA ACCAGGGAAA GGAGAGATGG TGGATTACAA TGGAAACATC AATGAGGCTC TCCAGGAGAT CCGGACGCTG GCCTTGATGG GGCCTCCTGG
TCTTCCTGGG CAAATTGGCC CACTGGAGC TCCAGGGATT CCAGGCCAGA AGGGGAGAT TGGACTGCCA GGCCCTCCAG GACACGATGG GAAAAAGGA
CCTCGCGGTA AACCAAGGAGA CATGGGCCCT CTGGTCCCC AAGGCCCCC AGGAAAGGAT GGACCTCCAG GAGTGAAGGG AAAAAACGGG CACCCAGGGA
GCCCAGGAGA GAAGGGGAA AAAGGGAGA CAGGACAAGC AGGCTCACCG GGAGAGAAAG GAGAAGCCGG GGAGAAGGC AATCCAGGAG CAGAGGTTCC
TGGGCTGCCA GGGCCAGAGG GGCCTCCCG ACCTCCGGG CTCCAAGGTG TTCCTGGACC AAAGGGGAA GCAGGACTAG ATGGAGCAAA AGGAGAGAAA
GGCTTCCAGG GAGAAAAAG AGACCGTGGT CCCCTGGAC TACCCGGAGC TTCAGGTTG GACGGCAGGC CTGGGCCACC GGGTACTCCA GGACCAATTG
GAGTTCAGG CCCAGCGGGA CCAAAGGCG AGAGGGGAG CAAAGGAGAC CCTGGGATGA CAGGACCAAC GGGAGCAGCT GGGCTTCTG GTTTACATGG
ACCACCGGG GACAAGGAA ACCGGGGGA GAGGGGAAG AAAGGCTCTA GAGGCCTAA AGGGGATAAG GGAGACCAAG GAGCGCTGG ATTAGATGCC
CCCTGCCAT TGGCGAAGA TGGCTACCA GTCCAAGGCT GCTGGAACAA GTGA
    
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