

Certificate of Analysis

Product ID: OHu17950D Lot. No.: 807236639-1/R25704

Product Information:

Gene Symbol: EXT1 Accession No.: NM_000127

Cloning Vector: pcDNA3.1⁺/C-(K)DYK Gene Length*: 2241 bp

Cloning Strategy: CloneEZ Plasmid Size: 7631 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

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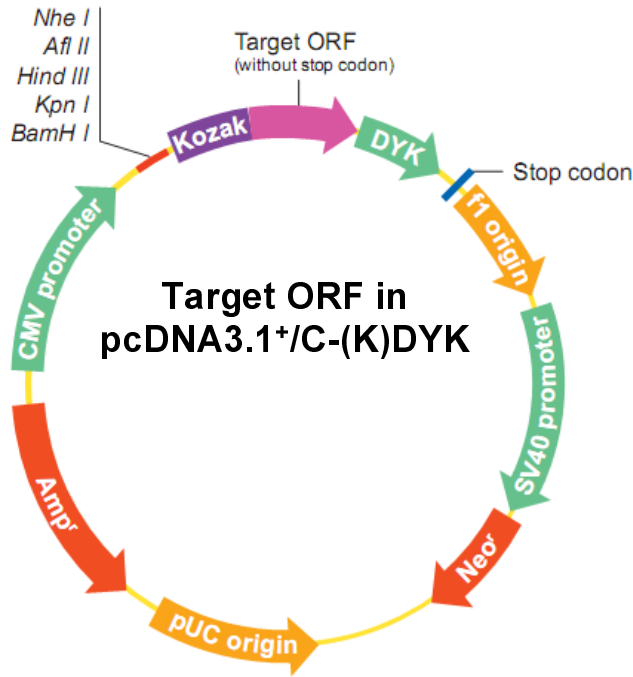
Fax: 1-732-210-0262

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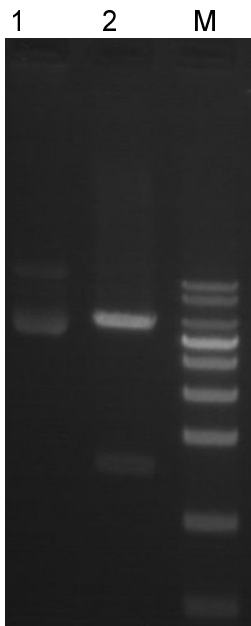
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Plasmid Construct Map

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

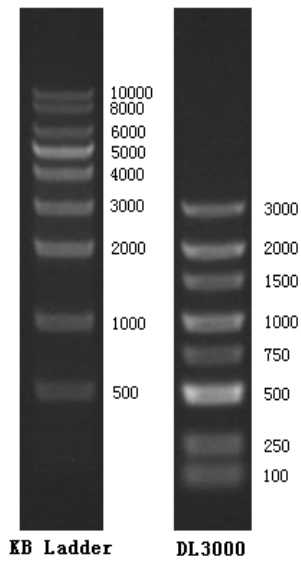


Enzyme Digestion



Lane M: KB Ladder
Lane 1: OHu17950D plasmid
Lane 2: OHu17950D plasmid digested by 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)

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ATGCAGGCCA AAAAACGCTA TTTCATCCTG CTCTCAGCTG GCTCTGTGCT CGCCCTTTG TTTTATTTG GAGGCTTGCA GTTTAGGGCA TCGAGGAGCC
ACAGCCGGAG AGAAGAACAC AGCGGTAGGA ATGGCTTGCA CCACCCAGT CCGGATCATT TCTGGCCCCG CTCCCGGAC GCTCTGCGCC CCTTCGTTC
TTGGGATCAA TTGGAAAACG AGGATTCCAG CGTGCACATT TCCCCCGGC AGAAGCGAGA TGCCAACTCC AGCATCTACA AAGGCAAGAA GTGCCGCATG
GAGTCTGTCT TCGATTTTAC CCTTTGCAAG AAAAACGGCT TCAAAGTCTA CGTATACCCA CAGCAAAAAG GGGAGAAAAT CGCCGAAAGT TACCAAAAACA
TTCTAGCGGC CATCGAGGGC TCCAGGTTCT ACACCTCGGA CCCCAGCCAG GCGTGCCTCT TTGTCTGAG TCTGGATACT TTAGACAGAG ACCAGTTGTC
ACCTCAGTAT GTGCACAATT TGAGATCCAA AGTGCAGAGT CTCCACTTGT GGAACAATGG TAGGAATCAT TTAATTTTAA ATTTATATTC CGGCACTTGG
CCTGACTACA CCGAGGACGT GGGGTTTGAC ATCGGCCAGG CGATGCTGGC CAAAGCCAGC ATCAGTACTG AAAACTTCCG ACCCAACTTT GATGTTTCTA
TTCCCTCTT TTCTAAGGAT CATCCAGGA CAGGAGGGGA GAGGGGTTT TTGAAGTCA ACACCATCCC TCCTCTCAGG AAGTACATGC TGGTATTCAA
GGGGAAGAGG TACCTGACAG GGATAGGATC AGACACCAGG AATGCCTTAT ATCACGTCCA TAACGGGGAG GACGTTGTGC TCCTACCAC CTGCAAGCAT
GGCAAAGACT GGCAAAAGCA CAAGGATTCT CGCTGTGACA GAGACAACAC CGAGTATGAG AAGTATGATT ATCGGGAAAT GCTGCACAAT GCCACTTCT
GTCTGGTTCC TCGTGGTCGC AGGCTTGGGT CCTTCAGATT CCTGGAGGCT TTGCAGGCTG CCTGCGTCCC TGTGATGCTC AGCAATGGAT GGGAGTTGCC
ATTCTCTGAA GTGATTAATT GGAACCAAGC TGCCGTGATA GGCATGAGA GATTGTTATT ACAGATTCCCT TCTACAATCA GGTCTATTCA TCAGGATAAA
ATCCTAGCAC TTAGACAGCA GACACAATTC TTGTGGGAGG CTTATTTTTC TTCAGTTGAG AAGATTGTAT TAACTACACT AGAGATTATT CAGGACAGAA
TATTCAGCA CATATCACGT AACAGTTTAA TATGGAACAA ACATCCTGGA GGATTGTTG TACTACCACA GTATTCATCT TATCTGGGAG ATTTTCCTTA
CTACTATGCT AATTTAGGTT TAAAGCCCC CTCCAAATTC ACTGCAGTCA TCCATGCGGT GACCCCTG GTCTCTCAGT CCCAGCCAGT GTGAAGCTT
CTCGTGGCTG CAGCCAAGTC CCAGTACTGT GCCCAGATCA TAGTTCTATG GAATTGTGAC AAGCCCTAC CAGCCAAACA CCGCTGGCCT GCCACTGCTG
TGCCTGTCGT CGTCATTGAA GGAGAGAGCA AGGTTATGAG CAGCCGTTTT CTGCCCTACG ACAACATCAT CACAGACGCC GTGCTCAGCC TTGACGAGGA
CACGGTGCTT TCAACAACAG AGGTGGATTT CGCCTTACA GTGTGGCAGA GCTTCCCTGA GAGGATTGTG GGGTACCCCG CGCGCAGCCA CTCTGGGAT
AACTCTAAGG AGCGGTGGGG ATACACATCA AAGTGGACGA ACGACTACT CATGGTGTG ACAGGAGCTG CTATTTACCA CAAATATTAT CACTACCTAT
ACTCCCATTA CCTGCCAGCC AGCCTGAAGA ACATGGTGG CCAATTGGCC AATTGTGAGG ACATTCTCAT GAACTTCTG GTGCTGCTG TGACAAAATT
GCCTCCAATC AAAGTGACCC AGAAGAAGCA GTATAAGGAG ACAATGATGG GACAGACTTC TCGGGCTTCC CGTTGGGCTG ACCCTGACCA CTTTGCCAG
CGACAGAGCT GCATGAATAC GTTTGCCAGC TGGTTGGCT ACATGCCGCT GATCCACTCT CAGATGAGGC TCGACCCCGT CCTCTTAAA GACCAGGTCT
CTATTTTGAG GAAGAAATAC CGAGACATTG AGCGACTTTG A
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