

Certificate of Analysis

Product ID: OHu21358D Lot. No.: 817240205-1/H33053

Product Information:

Gene Symbol: CLCN5 Accession No.: NM_000084

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: 10/25/2016

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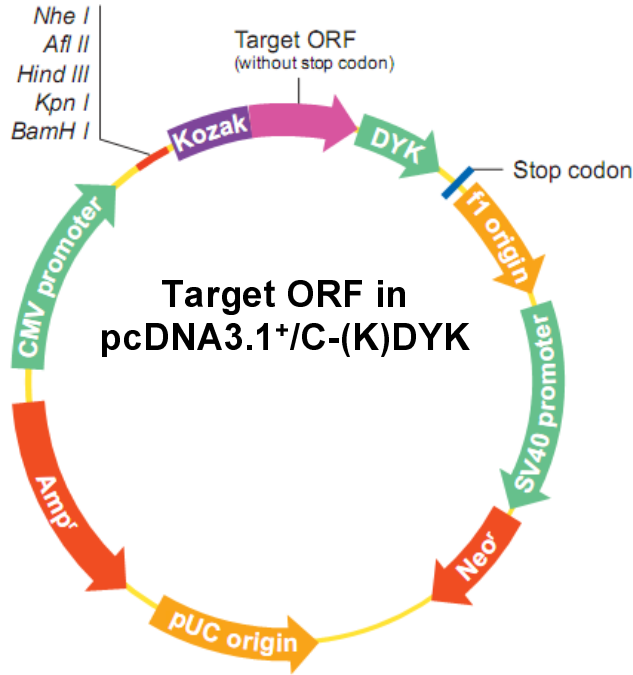
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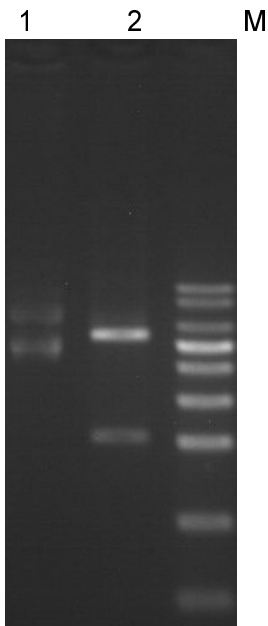
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Plasmid Construct Map

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

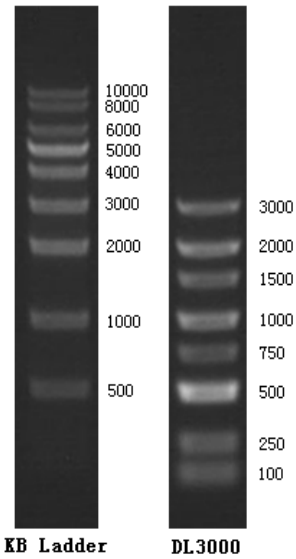


Enzyme Digestion



Lane M: KB Ladder
Lane 1: OHu21358D plasmid
Lane 2: OHu21358D 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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ATGGACTTCT TGGAGGAGCC AATCCCTGGT GTAGGGACCT ATGATGATT CAATACAATT GATTGGGTGA GAGAGAAGTC TCGAGACCGG GATAGGCACC
GAGAGATTAC CAATAAAAAGC AAAGAGTCAA CATGGGCCTT AATTCACAGT GTGAGTGATG CTTTTCCCG CTGTTTGTG ATGCTCCTTA TTGGGCTTTT
ATCAGGTTCG TTAGCTGGTT TGATAGACAT CTCTGCTCAT TGGATGACAG ACTTAAAAGA AGGTATATGC ACAGGGGGAT TCTGGTTTAA CCATGAACAT
TGTTGCTGGA ACTCTGAGCA TGTACCTTT GAAGAGAGAG ACAAATGTCC AGAGTGGAAAT AGTTGGTCCC AGCTTATCAT CAGCACAGAT GAGGGAGCCT
TTGCCTACAT AGTCAATTAT TTCAATGACG TCCTCTGGGC TCTCCTATTT GCCTTCCTTG CCGTATCTCT TGTCAAGGTG TTTGCGCCTT ATGCCTGTGG
CTCTGGAATC CCTGAGATAA AAACATCTTT GAGTGGTTTC ATTATTAGGG GCTATTTGGG TAAGTGGACT CTGTTATCA AAACCATCAC CTTGGTGTG
GCAGTGCAT CTGGCTTGAG CCTGGGCAAA GAGGGCCCTC TAGTGCACGT GGCTTGCTGC TGTGGGAACA TCCTGTGCCA CTGCTTCAAC AAATACAGGA
AGAATGAAGC CAAGCGCAGA GAGGTCTTGT CGGCTGCAGC AGCAGCTGGT GTATCTGTAG CCTTTGGAGC ACCTATAGGT GGAGTATTAT TCAGCCTTGA
AGAGGTGAGC TACTATTTTC CCCTCAAAC ATTGTGGCGT TCATTCTTG CTGCCTTGGT GGCAGCATT CACTACGCT CCATCAATCC ATTTGGGAAC
AGCCGCCTGG TACTATTTTA TGTGGAGTT CACACCCCAT GGCATCTCT TGAGCTCGTG CCATTCATT TGCTGGGCAT ATTTGGTGGT CTGTGGGGAG
CACTGTTTAT CCGCACAAAC ATTGCCTGGT GTCGGAAGCG AAAGACCACC CAGTGGGCA AGTATCCTGT TATAGAGGTA CTCGTCGTGA CAGCCATCAC
TGCCATCCTG GCTTTCCCA ATGAATACAC TCGGATGAGC ACAAGTGAGC TCATTTCTGA GCTGTTAAT GACTGTGGCC TTCTGGACTC CTCCAAGCTC
TGTGATTATG AGAACCGTTT CAACACAAGC AAAGGGGGTG AACTGCCTGA CAGACCGGT GCGTGGGAG TCTACAGTGC AATGTGGCAG CTGGCTTTAA
CACTCATACT GAAAATTGTC ATTACTATAT TCACCTTTGG CATGAAGATC CCTTCTGGCC TCTTATCCC TAGCATGGCT GTTGGTGCTA TAGCAGGTCG
ACTTCTAGGA GTAGGAATGG AACAGCTGGC TTATTACCAC CAGGAATGGA CCGTCTCAA TAGCTGGTGT AGTCAGGGAG CTGATTGCAT CACCCCGGC
CTTATGCAA TGGTTGGGGC TGCAGCCTGC TTAGTGGGG TGAATCGGAT GACTGTTCT CTTGTTGCA TAATGTTGA ACTGACTGGT GGCTTAGAAT
ACATCGTGCC TCTGATGGCT GCAGCCATGA CAAGCAAGTG GGTGGCAGAT GCTTTGGGC GGGAGGGCAT CTATGATGCC CACATCCGTC TCAATGGATA
CCCCTTCTT GAAGCCAAAG AAGAGTTGC TCATAAGACC CTGGCAATGG ATGTGATGAA ACCCCGGAGA AATGATCCTT TGTGACTGT CTTACTCAG
GACAGTATGA CTGTGGAAGA TGTAGAGACC ATAATCAGTG AAACCACTTA CAGTGGCTC CAGTGGTGG TATCCCGGA GTCCCAAAGA CTTGTGGGCT
TTGTCTCCG AAGAGATCTC ATTATTTCAA TTGAAAATGC TCGAAAGAAA CAGGATGGG TTGTTAGCAC TTCCATCATT TATTTACGG AGCATTCTCC
TCCATTGCCA CCATACACTC CACCCACTCT AAAGCTTCGG AACATCCTCG ATCTCAGCCC CTTCACTGTG ACTGACCTTA CACCCATGGA GATCGTAGTG
GATATTTCC GAAAGCTGGG ACTGCGGCAG TGCCTGGTTA CACACAACGG GCGATTGCTT GGAATCATT CCAAAAAGGA TGTGTTAAAG CATATAGCAC
AGATGGCGAA CCAAGATCCT GATTCCATT TCTCAACTA G
  
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