

# Certificate of Analysis

Product ID: OHu17088D Lot. No.: 817239972-1/F62024

Product Information:

Gene Symbol: NCL Accession No.: NM\_005381.2

Cloning Vector: pcDNA3.1<sup>+</sup>/C-(K)DYK Gene Length\*: 2133 bp

Cloning Strategy: CloneEZ Plasmid Size: 7523 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

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](mailto:web@genscript.com).

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Toll-Free: 1-877-436-7274

Tel: 1-732-885-9188

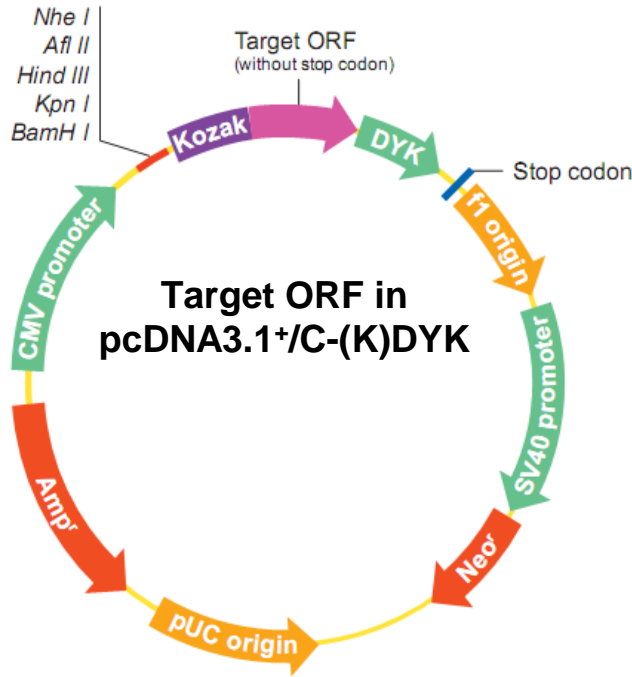
Fax: 1-732-210-0262

Email: [order@genscript.com](mailto:order@genscript.com)

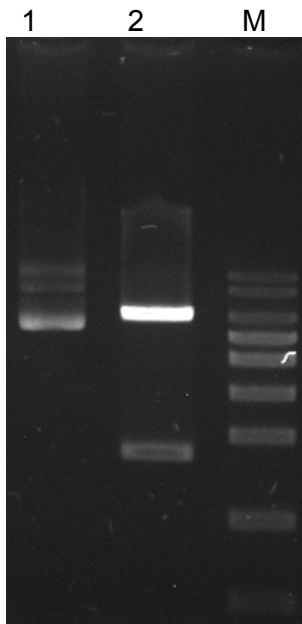
Web: [www.genscript.com](http://www.genscript.com)

**Plasmid Construct Map**

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

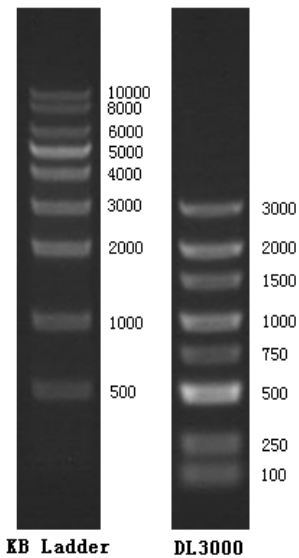


**Enzyme Digestion**



Lane M: KB Ladder  
Lane 1: OHu17088D plasmid  
Lane 2: OHu17088D 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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ATGGTGAAGC TCGCGAAGGC AGGTAAAAAT CAAGGTGACC CCAAGAAAAT GGCTCCTCCT CCAAAGGAGG TAGAAGAAGA TAGTGAAGAT GAGGAAATGT
CAGAAGATGA AGAAGATGAT AGCAGTGGAG AAGAGGTCGT CATACTCAG AAGAAAGGCA AGAAGGCTGC TGCAACCTCA GCAAAGAAGG TGGTCGTTTC
CCCAACAAAA AAGGTTGCAG TTGCCACACC AGCCAAGAAA GCAGCTGTCA CTCCAGGCAA AAAGGCAGCA GCAACACCTG CCAAGAAGAC AGTTACACCA
GCCAAAGCAG TTACCACACC TGGCAAGAAG GGAGCCACAC CAGGCAAAGC ATTGGTAGCA ACTCCTGGTA AGAAGGGTGC TGCCATCCCA GCCAAGGGGG
CAAAGAATGG CAAGAATGCC AAGAAGGAAG ACAGTGATGA AGAGGAGGAT GATGACAGTG AGGAGGATGA GGAGGATGAC GAGGACGAGG ATGAGGATGA
AGATGAAATT GAACCAGCAG CGATGAAAGC AGCAGCTGCT GCCCTGCCT CAGAGGATGA GGACGATGAG GATGACGAAG ATGATGAGGA TGACGATGAC
GATGAGGAAG ATGACTCTGA AGAAGAAGCT ATGGAGACTA CACCAGCCAA AGGAAAGAAA GCTGCAAAAAG TTGTTCTGT GAAAGCCAAG AACGTGGCTG
AGGATGAAGA TGAAGAAGAG GATGATGAGG ACGAGGATGA CGACGACGAC GAAGATGATG AAGATGATGA TGATGAAGAT GATGAGGAGG AGGAAGAAGA
GGAGGAGGAA GAGCCTGTCA AAGAAGCACC TGGAAAACGA AAGAAGGAAA TGGCCAAACA GAAAGCAGCT CCTGAAGCCA AGAAACAGAA AGTGGAAGGC
ACAGAACCGA CTACGGCTTT CAATCTCTTT GTTGAAAACC TAAACTTTAA CAAATCTGCT CCTGAATTA AACTGGTAT CAGCGATGTT TTTGCTAAAA
ATGATCTTGC TGTGTGGAT GTCAGAATTG GTATGACTAG GAAATTTGGT TATGTGGATT TTGAATCTGC TGAAGACCTG GAGAAAGCGT TGGAACTCAC
TGGTTTGAAA GTCTTTGGCA ATGAAATTA ACTAGAGAAA CAAAAAGGAA AAGACAGTAA GAAAGAGCGA GATGCGAGAA CACTTTTGGC TAAAAATCTC
CCTTACAAAG TACTCAGGA TGAATTGAAA GAAGTGTTG AAGATGCTGC GGAGATCAGA TTAGTCAGCA AGGATGGGAA AAGTAAAGG ATTGCTTATA
TTGAATTTAA GACAGAAGCT GATGCAGAGA AAACCTTTGA AAAAAAGCAG GGAACAGAGA TCGATGGCG ATCTATTTCC CTGTACTATA CTGGAGAGAA
AGGTCAAAAT CAAGACTATA GAGGTGAAA GAATAGCACT TGGAGTGGTG AATCAAAAAC TCTGGTTTTA AGCAACCTCT CCTACAGTGC AACAGAAGAA
ACTCTTCAGG AAGTATTTGA GAAAGCAACT TTTATCAAAG TACCCAGAA CAAAATGGC AAATCTAAAG GGTATGCATT TATAGAGTTT GCTTCATTCG
AAGACGCTAA AGAAGCTTTA AATTCCTGTA ATAAAAGGGA AATTGAGGCG AGAGCAATCA GGCTGGAGTT GCAAGGACCC AGGGGATCAC CTAATGCCAG
AAGCCAGCCA TCCAAAACCT TGTTTGTCAA AGGCCTGTCT GAGGATACCA CTGAAGAGAC ATTAAAGGAG TCATTTGACG GCTCCGTTTC GCAAGGATA
GTTACTGACC GGGAAACTGG GTCCTCCAAA GGGTTTGTT TTGTAGACTT CAACAGTGAG GAGGATGCCA AAGCTGCCAA GGAGGCCATG GAAGACGGTG
AAATTGATGG AAATAAAGTT ACCTTGGACT GGGCCAAACC TAAGGGTGAA GGTGGCTTCG GGGGTCGTGG TGGAGGCAGA GGCGCTTTG GAGGACGAGG
TGGTGTGATA GGAGCCGAG GAGGATTTGG TGGCAGAGGC CGGGGAGGCT TTGGAGGGCG AGGAGGCTTC CGAGGAGGCA GAGGAGGAGG AGGTGACCAC
AAGCCACAAG GAAAGAAGAC GAAGTTTGAA TAG
  
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