

# Certificate of Analysis

Project ID: OHU11553DLot. No.: HV11032

## Product Information:

Gene Symbol: CD276Accession No.: NM\_001024736Cloning Vector: pcDNA3.1+/C-(K)DYKGene Length\*: 1602 bpCloning Strategy: CloneEZPlasmid Size: 6992 bpAntibiotic Resistance: Ampicillin, recommended concentration: 50 µg/mlAmount: 10 µgCompetent cell: TOP10Growth Temperature: 37 °CNote: \* 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	
Appearance	Colorless, clear, free of precipitate or foreign particles	Pass	Clear, colorless, no visible particulates
Sequence Accuracy	Sequencing verification match the order requirements	Pass	Matched
Restriction Digests	Expected size bands detected in agarose gel electrophoresis.	Pass	Matched
			Shown in attachment 1
A260/280	1.8~2.0	Pass	1.93
Quantity	Miniprep: 10 µg	Pass	≥ 10 µg
Additional Tests	N/A	N/A	

Certified by:

Jing Yu

Date: 10/23/2023

As a pioneer and leader in gene synthesis technology, and the largest gene synthesis supplier in the US, GenScript has completed over 600,000 genes synthesis projects for scientists around the world. Since our establishment in 2002, we have built the best-in-class capacity and capability for biological research services encompassing gene synthesis and molecular biology, peptide synthesis, custom antibodies, protein expression, antibody and protein engineering, and in vitro and in vivo pharmacology – all with the goal to Make Research Easy.

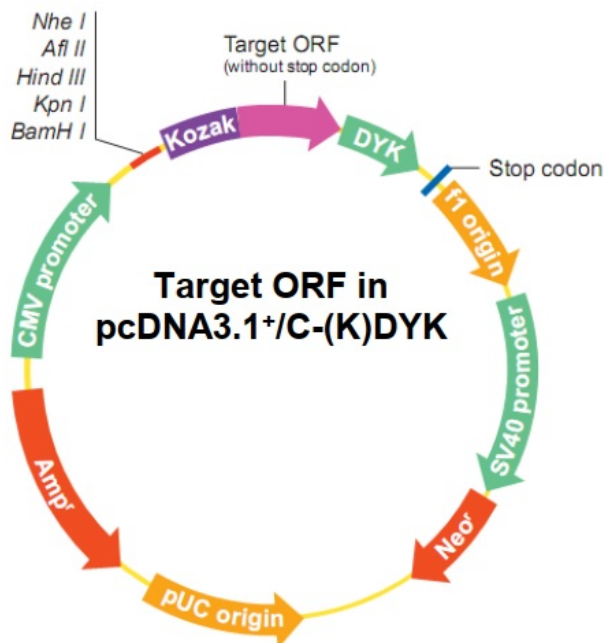
For research use only

江苏省南京市江宁科学园雍熙路28号

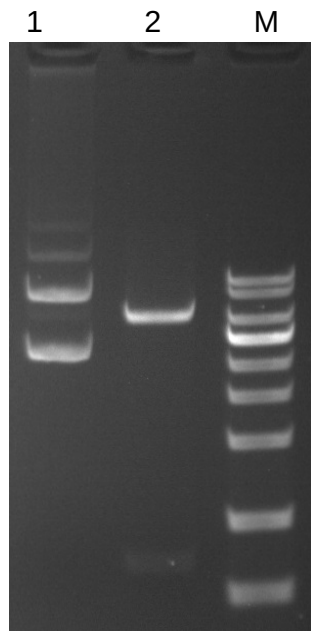
电话: 400-025-8686 025-58897288-5820 传真: 025-58897288-5815 电子邮箱: order@genscript.com.cn 网址: www.genscript.com.cn

# Plasmid Construct Map

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



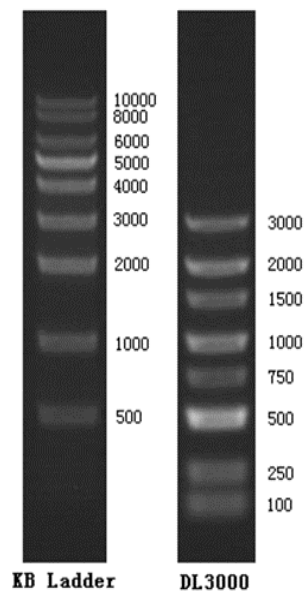
## Enzyme Digestion



Lane M: KB Ladder  
Lane 1: OHU11553D plasmid  
Lane 2: OHU11553D plasmid digested  
by MluI and BamHI

### Restriction digest of plasmid DNA:

About 200-1000 ng of plasmid was digested  
at 37°C for 30-60 minutes and analyzed on  
1% Agarose Gel



For research use only

江苏省南京市江宁科学园雍熙路28号

## Attachment 2

## Original ORF Sequence

The stop codons will be deleted if pcDNA3.1+/C-(K)DYK vector is selected.

```
ATGCTGCGTC GGC GGGG CAG CCCTGGCATG GGTGTGCATG TGGGTGCAGC CCTGGGAGCA CTGTGGTTCT GCCTCACAGG AGCCCTGGAG GTCCAGGTCC
CTGAAGACCC AGTGGTGGCA CTGGTGGGCA CCGATGCCAC CCTGTGCTGC TCCTTCTCCC CTGAGCCTGG CTTGAGCCTG GCACAGCTCA ACCTCATCTG
GCAGCTGACA GATACCAAAC AGCTGGTGCA CAGCTTTGCT GAGGGCCAGG ACCAGGGCAG CGCCTATGCC AACCGCACGG CCCTCTTCCC GGACCTGCTG
GCACAGGGCA ACGCATCCCT GAGGCTGCAG CGCGTGCCTG TGGCGGACGA GGGCAGCTTC ACCTGCTTCG TGAGCATCCG GGATTTCGGC AGCGTGCCCG
TCAGCCTGCA GGTGGCCGCT CCCTACTCGA AGCCCAGCAT GACCCTGGAG CCCAACAAAG ACCTGCGGCC AGGGGACACG GTGACCATCA CGTGCTCCAG
CTACCAAGGC TACCCTGAGG CTGAGGTGTT CTGGCAGGAT GGGCAGGGTG TGCCCTGAC TGGCAACGTG ACCACGTCGC AGATGGCCAA CGAGCAGGGC
TTGTTTGATG TGCACAGCAT CCTGCGGGTG GTGCTGGGTG CAAATGGCAC CTACAGCTGC CTGGTGCGCA ACCCCGTGCT GCAGCAGGAT GCGCACAGCT
CTGTCACCAT CACACCCAG AGAAGCCCCA CAGGAGCCGT GGAGGTCCAG GTCCCTGAGG ACCCGGTGGT GGCCCTAGTG GGCACCGATG CCACCCTGCG
CTGCTCCTTC TCCCCGAGC CTGGCTTCAG CCTGGCACAG CTCAACCTCA TCTGGCAGCT GACAGACACC AAACAGCTGG TGCACAGTTT CACCGAAGGC
CGGGACCAGG GCAGCGCCTA TGCCAACCGC ACGGCCCTCT TCCCGGACCT GCTGGCACAA GGCAATGCAT CCCTGAGGCT GCAGCGCGTG CGTGTGCGCG
ACGAGGGCAG CTTACCTGC TTCGTGAGCA TCCGGGATTT CGGCAGCGCT GCCGTCAGCC TGCAGGTGGC CGCTCCCTAC TCGAAGCCCA GCATGACCCT
GGAGCCCAAC AAGGACCTGC GGCCAGGGGA CACGGTGACC ATCAGTGCT CCAGTACCG GGGCTACCCT GAGGCTGAGG TGTCTGGCA GGATGGGCAG
GGTGTGCCCC TGACTGGCAA CGTGACCACG TCGCAGATGG CCAACGAGCA GGGCTTGTTT GATGTGCACA GCGTCCTGCG GGTGGTGCTG GGTGCGAATG
GCACCTACAG CTGCCTGGTG CGCAACCCCG TGCTGCAGCA GGATGCGCAC GGCTCTGTCA CCATCACAGG GCAGCCTATG ACATTCCCCC CAGAGGCCCT
GTGGGTGACC GTGGGGCTGT CTGTCTGTCT CATTGCACTG CTGGTGGCCC TGGCTTTCGT GTGCTGGAGA AAGATCAAAC AGAGCTGTGA GGAGGAGAAT
GCAGGAGCTG AGGACCAGGA TGGGGAGGGA GAAGGCTCCA AGACAGCCCT GCAGCCTCTG AAACACTCTG ACAGCAAAGA AGATGATGGA CAAGAAATAG
CC
```

For research use only

江苏省南京市江宁科学园雍熙路28号

电话: 400-025-8686 025-58897288-5820 传真: 025-58897288-5815 电子邮箱: order@genscript.com.cn 网址: www.genscript.com.cn