

# Certificate of Analysis

Project ID: OHU15731DLot. No.: HV29876**Product Information:**Gene Symbol: FEN1Accession No.: NM\_004111Cloning Vector: pcDNA3.1+/C-(K)DYKGene Length\*: 1140 bpCloning Strategy: CloneEZPlasmid Size: 6530 bpAntibiotic Resistance: Ampicillin, recommended concentration: 50 µg/mlAmount: 10 µgCompetent cell: TOP10Growth Temperature: 37 °C**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	
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	1.99
Quantity	Miniprep: 10 µg	Pass	≥ 10 µg
Additional Tests	N/A	N/A	

Certified by:

Jing Yu

Date: 03/01/2024

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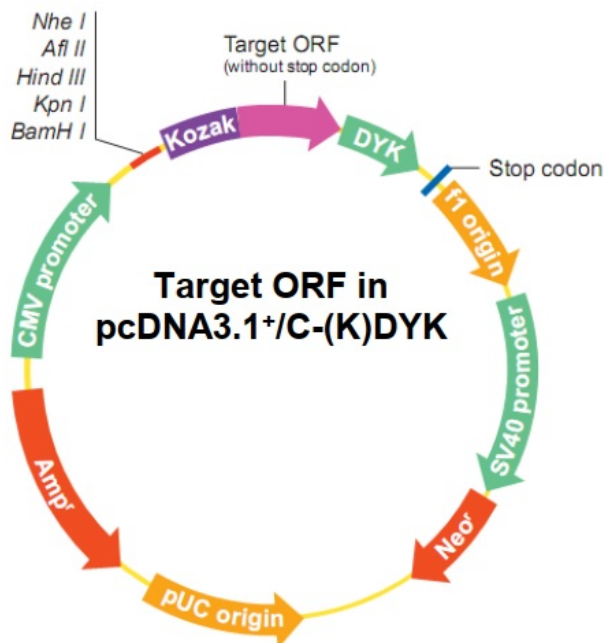
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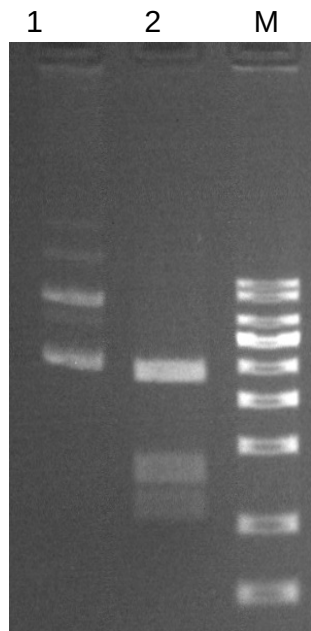
电话: 400-025-8686 025-58897288-5820 传真: 025-58897288-5815 电子邮箱: order@genscript.com.cn 网址: www.genscript.com.cn

# Plasmid Construct Map

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



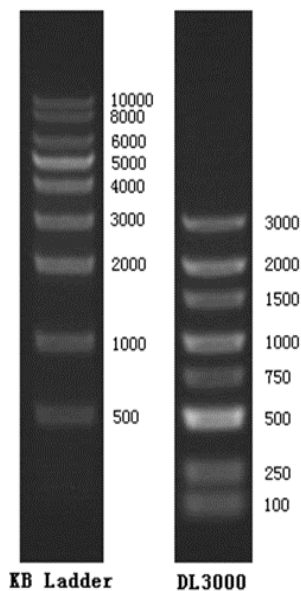
## Enzyme Digestion



Lane M: KB Ladder  
Lane 1: OHU15731D plasmid  
Lane 2: OHU15731D plasmid digested  
by MluI and AhdI

### 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



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## Attachment 2

## Original ORF Sequence

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

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ATGGGAATTC AAGGCCTGGC CAAACTAATT GCTGATGTGG CCCCAGTGC CATCCGGGAG AATGACATCA AGAGCTACTT TGGCCGTAAG GTGGCCATTG
ATGCCTCTAT GAGCATTAT CAGTTCCTGA TTGCTGTTCT CCAGGGTGGG GATGTGCTGC AGAATGAGGA GGGTGAGACC ACCAGCCACC TGATGGGCAT
GTTCTACCGC ACCATTCGCA TGATGGAGAA CGGCATCAAG CCCGTGTATG TCTTTGATGG CAAGCCGCCA CAGCTCAAGT CAGGCGAGCT GGCCAAACGC
AGTGAGCGGC GGGCTGAGGC AGAGAAGCAG CTGCAGCAGG CTCAGGCTGC TGGGGCCGAG CAGGAGGTGG AAAAATTAC TAAGCGGCTG GTGAAGGTCA
CTAAGCAGCA CAATGATGAG TGCAAACATC TGCTGAGCCT CATGGGCATC CTTTATCTTG ATGCACCCAG TGAGGCAGAG GCCAGCTGTG CTGCCCTGTT
GAAGGCTGGC AAAGTCTATG CTGCGGCTAC CGAGGACATG GACTGCCTCA CTTTCGGCAG CCCTGTGCTA ATGCGACACC TGACTGCCAG TGAAGCCAAA
AAGCTGCCAA TCCAGGAATT CCACCTGAGC CGGATTCTGC AGGAGCTGGG CCTGAACCAG GAACAGTTTG TGGATCTGTG CATCCTGCTA GGCAGTGACT
ACTGTGAGAG TATCCGGGGT ATTGGGCCCC AGCGGGCTGT GGACCTCATC CAGAAGCACA AGAGCATCGA GGAGATCGTG CGGCGACTTG ACCCAACAA
GTACCCTGTG CCAGAAAATT GGCTCCACAA GGAGGCTCAC CAGCTCTTCT TGGAACCTGA GGTGCTGGAC CCAGAGTCTG TGGAGCTGAA GTGGAGCGAG
CCAAATGAAG AAGAGCTGAT CAAGTTCATG TGTGGTAAA AGCAGTTCTC TGAGGAGCGA ATCCGCAGTG GGGTCAAGAG GCTGAGTAAG AGCCGCCAAG
GCAGCACCCA GGGCCGCCTG GATGATTTCT TCAAGGTGAC CGGCTCACTC TCTTCAGCTA AGCGCAAGGA GCCAGAACCC AAGGGATCCA CTAAGAAGAA
GGCAAAGACT GGGGCAGCAG GGAAGTTTAA AAGGGGAAAA
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