

Certificate of Analysis

Product ID: OHu55724D Lot. No.: 807229930-1/F43429

Product Information:

Gene Symbol: MRPL10 Accession No.: NM_145255

Cloning Vector: pcDNA3.1⁺/C-(K)DYK Gene Length*: 786 bp

Cloning Strategy: CloneEZ Plasmid Size: 6176 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

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.

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Toll-Free: 1-877-436-7274

Tel: 1-732-885-9188

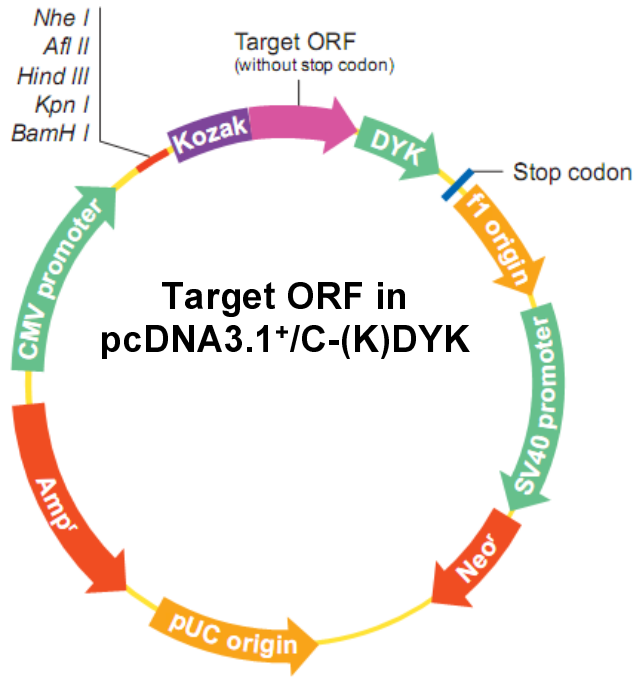
Fax: 1-732-210-0262

Email: order@genscript.com

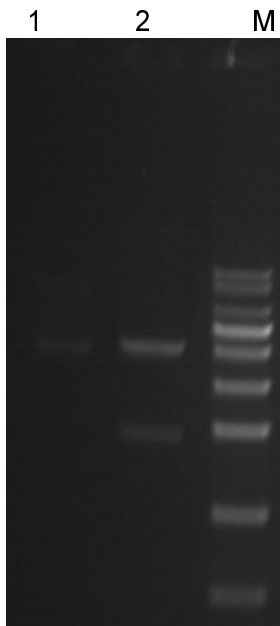
Web: www.genscript.com

Plasmid Construct Map

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

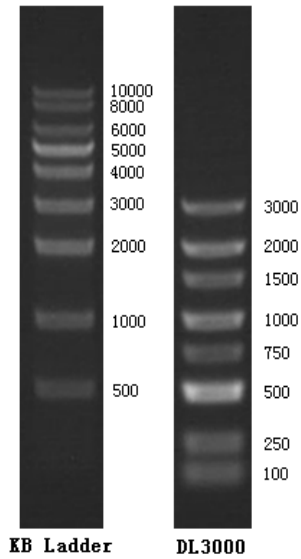


Enzyme Digestion



Lane M: KB Ladder
Lane 1: OHu55724D plasmid
Lane 2: OHu55724D plasmid digested
by KpnI and SmaI

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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ATGGCTGCGG CCGTGGCGGG GATGCTGCGA GGGGGTCTCC TGCCCCAGGC GGGCCGGCTG CCTACCCTCC AGACTGTCCG CTATGGCTCC AAGGCTGTTA
CCCGCCACCG TCGTGTGATG CACTTTCAGC GGCAGAAGCT GATGGCTGTG ACTGAATATA TCCCCCGAA ACCAGCCATC CACCCATCAT GCCTGCCATC
TCCTCCCAGC CCCCACAGG AGGAGATAGG CCTCATCAGG CTTCTCCGCC GGGAGATAGC AGCAGTTTTC CAGGACAACC GAATGATAGC CGTCTGCCAG
AATGTGGCTC TGAGTGCAGA GGACAAGCTT CTTATGCGAC ACCAGCTGCG GAAACACAAG ATCCTGATGA AGGTCTTCCC CAACCAGGTC CTGAAGCCCT
TCCTGGAGGA TTCCAAGTAC CAAAATCTGC TGCCCTTTT TGTGGGGCAC AACATGCTGC TGGTCAGTGA AGAGCCCAAG GTCAAGGAGA TGGTACGGAT
CTTAAGGACT GTGCCATTCC TGCCGCTGCT AGGTGGCTGC ATTGATGACA CCATCCTCAG CAGGCAGGGC TTTATCAACT ACTCCAAGCT CCCCAGCCTG
CCCCTGGTGC AGGGGGAGCT TGTAGGAGGC CTCACCTGCC TCACAGCCCA GACCCACTCC CTGCTCCAGC ACCAGCCCT CCAGCTGACC ACCCTGTTGG
ACCAGTACAT CAGAGAGCAA CGCGAGAAGG ATTCTGTCAT GTCGGCCAAT GGAAGCCAG ATCCTGACAC TGTCCGGAC TCGTAG
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