

Product datasheet for RC202626

MRP L9 (MRPL9) (NM_031420) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MRP L9 (MRPL9) (NM_031420) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	MRP L9
Synonyms:	L9mt
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC202626 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGCGGCGCCCGTTGTACGGCCCCGGGCAGAGCTCTGCTGCGGGCGGGCGCTGGACGGCTGCTTCGGG
 GAGGCGTCCAGGAGCTACTGCGGCCGCGACATGAAGGGAACGCCCTGACCTGGCCTGCAACTTCAGCCT
 TTCTCAAATCGGGGCACGGTCATCGTGGAGCGCTGGTGAAGGTACCGCTGGCCGGGGAGGGCCGGAAG
 CCGCGCCTGCACCGCGACATCGCGTCTATAAGCTGGTGGAGGACACGAAGCATCGGCCAAAGAAAACC
 TGGAGCTCATCTGACGCAGTCGGTGGAGAATGTTGGAGTCCGGGGTACCTGGTCTCAGTGAAGAAATC
 TTAGGCCGGAATCGACTCCTTCCTCAGGACTGGCTGTATATGCATCCCCTGAAAACAAGAAGCTGTTT
 GAAGAGGAGAAATTGCTGAGACAAGAAGGAAAATTAGAGAAGATCCAGACCAAGGCAGGTGAGGCGACAG
 TGAAATTTCTAAAAGCTGTGCGCTGGAGGTAGGGATGAAGAACAATGTCAAATGGGAGCTGAACCTGA
 AATAGTTGCCCGCCACTTCTTAAGAATCTTGGTGTGTGGTTGCCCCACATACATTAAAGTTACCAGAA
 GAGCCTATCACACGGTGGGGCGAGTATTGGTGTGAGGTGACGGTAAATGGGCTTGATACTGTGAGAGTGC
 CTATGTCTGTGTAACCTTTGAGAAGCCCAAGACCAAAAGATATAAGTACTGGTTAGCCAGCAAGCTGC
 CAAGGCTATGGCCCCCACCAGCCCCAGATC

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA


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Protein Sequence: >RC202626 protein sequence
 Red=Cloning site Green=Tags(s)

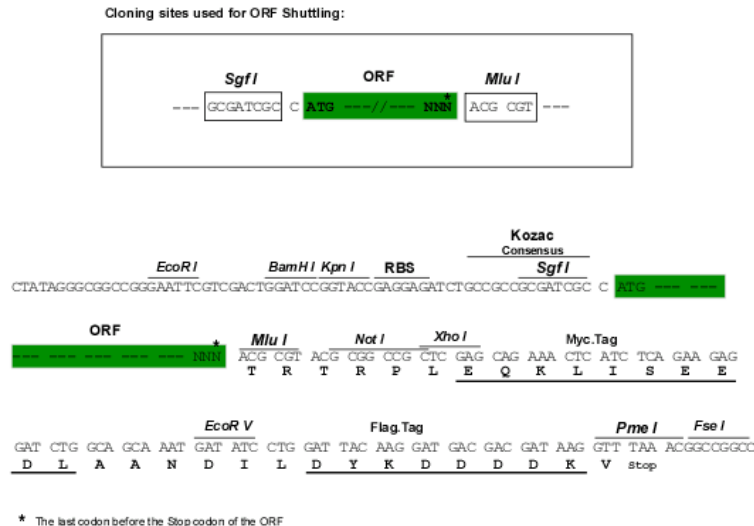
MAAPVVTAPGRALLRAGAGRLLRGVQELLRPRHEGNAPDLACNFSLSQNRGTIVIRWWKVPLAGEGRK
 PRLHRRHRVYKLVEDTKHRPKENLELILTQSVENVGVGDLVSVKKSLSGRNRLLPQGLAVYASPENKKLF
 EEEKLLRQEGKLEKIQT KAGEATVKFLKSCRLEVGMMNNVKWELNPEIVARHFFKNLGVVAPHTLKLPE
 EPITRWGEYWCEVTVNGLDTVRVPMSSVNFEPKTKRYKYWLAQQAAMAPTSPQI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6391_d09.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_031420

ORF Size: 801 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_031420.4](#)

RefSeq Size: 1664 bp

RefSeq ORF: 804 bp

Locus ID: 65005

UniProt ID: [Q9BYD2](#)

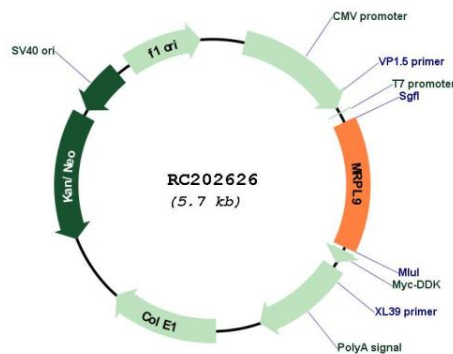
Cytogenetics: 1q21.3

Domains: Ribosomal_L9_N

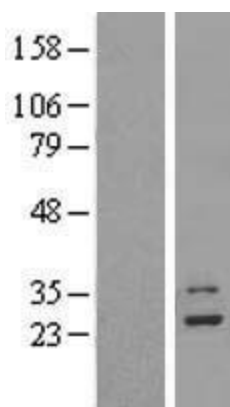
MW: 30.2 kDa

Gene Summary: This is a nuclear gene encoding a protein component of the 39S subunit of the mitochondrial ribosome. Alternative splicing results in multiple transcript variants. A pseudogene of this gene is found on chromosome 8. [provided by RefSeq, Jul 2014]

Product images:



Circular map for RC202626



Western blot validation of overexpression lysate (Cat# [LY410531]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC202626 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).