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Product datasheet for RG202626

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:	TurboGFP
Symbol:	MRP L9
Synonyms:	L9mt
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence:

>RG202626 representing NM_031420
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCGGCGCCCGTTGTCACGGCCCCGGGCAGAGCTCTGCTGCGGGCGGGCGCTGGACGGCTGCTTCGGG
GAGGCGTCCAGGAGCTACTGCGGCCGCGACATGAAGGGAACGCCCCTGACCTGGCCTGCAACTTCAGCCT
TTCTCAAAATCGGGGCACGGTCATCGTGGAGCGCTGGTGGAAGGTACCGCTGGCCGGGGAGGGCCGGAAG
CCGCGCCTGCACCGGCGACATCGCGTCTATAAGCTGGTGGAGGACACGAAGCATCGGCCCAAAGAAAACC
TGGAGCTCATCCTGACGCAGTCGGTGGAGAATGTTGGAGTCCGGGGTGACCTGGTCTCAGTGAAGAAATC
TTTAGGCCGGAATCGACTCCTTCCTCAGGGACTGGCTGTATATGCATCCCCTGAAAACAAGAAGCTGTTT
GAAGAGGAGAAATTGCTGAGACAAGAAGGAAAATTAGAGAAGATCCAGACCAAGGCAGGTGAGGCGACAG
TGAAATTTCTAAAAAGCTGTCGCCTGGAGGTAGGGATGAAGAACAATGTCAAATGGGAGCTGAACCCTGA
AATAGTTGCCCGCCACTTCTTTAAGAATCTTGGTGTTGTGGTTGCCCCACATACATTAAAGTTACCAGAA
GAGCCTATCACACGGTGGGGCGAGTATTGGTGTGAGGTGACGGTAAATGGGCTTGATACTGTGAGAGTGC
CTATGTCTGTCGTGAACTTTGAGAAGCCCAAGACCAAAAGATATAAGTACTGGTTAGCCCAGCAAGCTGC
CAAGGCTATGGCCCCCACCAGCCCCCAGATC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

View online »

Protein Sequence:

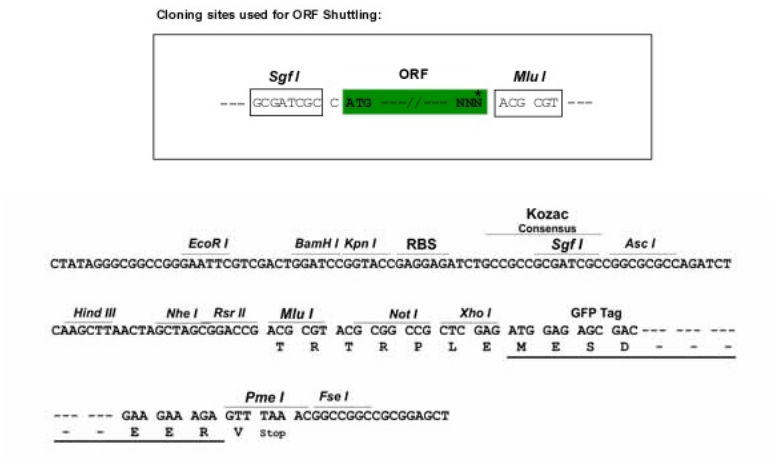
>RG202626 representing NM_031420
Red=Cloning site Green=Tags(s)

MAAPVVTAPGRALLRAGAGRLLRGGVQELLRPRHEGNAPDLACNFSLSQNRGTVIVERWWKVPLAGEGRK
PRLHRRHRVYKLVEDTKHRPKENLELILTQSVENVGVRGDLVSVKKSLGRNRLLPQGLAVYASPENKKLF
EEEKLLRQEGKLEKIQTKAGEATVKFLKSCRLEVGMKNNVKWELNPEIVARHFFKNLGVVVAPHTLKLPE
EPITRWGEYWCEVTVNGLDTVRVPMSVVNFEKPKTKRYKYWLAQQAAKAMAPTSPQI

TRTRPLE - GFP Tag - V

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: 1314 bp

RefSeq ORF: 804 bp

Locus ID: 65005

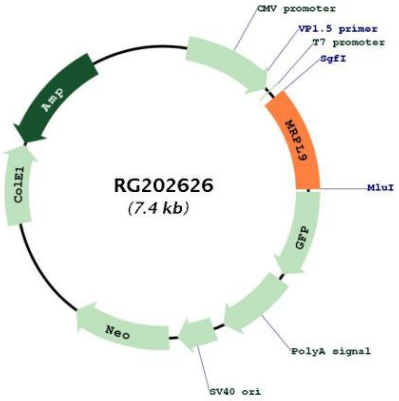
UniProt ID: Q9BYD2

Cytogenetics: 1q21.3

Domains: Ribosomal_L9_N

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 RG202626