

Product datasheet for **RC217794**

MRPL33 (NM_145330) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: MRPL33 (NM_145330) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: MRPL33
Synonyms: C2orf1; L33mt; MRP-L33; RPL33L
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC217794 representing NM_145330
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGTTCTCTCCGCGTCTTCTTTGCCAAGAGCAAGTCAAATGAAACAAAGAGTCTTCTCGTGGAAAAG
AAAAAATACGCTCCCTTTAAACGGTGGATTGAAAATGACTTTGATTTATAAAGAGAAGACTGAGGGCGG
GGATACTGATTAGAAATCCTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC217794 representing NM_145330
Red=Cloning site Green=Tags(s)

MFLSAVFFAKSKSNETKSPLRGKEKNTLPLNGGLKMTLIYKEKTEGGDSEIL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6173_e11.zip

Restriction Sites: Sgfl-MluI

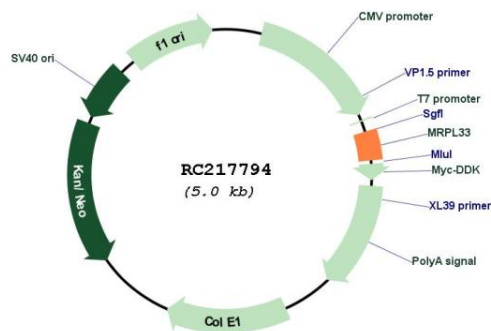


[View online »](#)

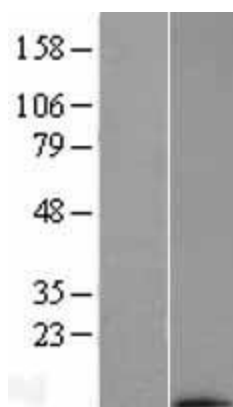
Locus ID: 9553
UniProt ID: [O75394](#)
Cytogenetics: 2p23.2
MW: 5.8 kDa

Gene Summary: Mammalian mitochondrial ribosomal proteins are encoded by nuclear genes and help in protein synthesis within the mitochondrion. Mitochondrial ribosomes (mitoribosomes) consist of a small 28S subunit and a large 39S subunit. They have an estimated 75% protein to rRNA composition compared to prokaryotic ribosomes, where this ratio is reversed. Another difference between mammalian mitoribosomes and prokaryotic ribosomes is that the latter contain a 5S rRNA. Among different species, the proteins comprising the mitoribosome differ greatly in sequence, and sometimes in biochemical properties, which prevents easy recognition by sequence homology. This gene encodes a 39S subunit protein. Alternatively spliced transcript variants encoding different isoforms have been described. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RC217794



Western blot validation of overexpression lysate (Cat# [LY403431]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC217794 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).