

Product datasheet for **SC200842**

MRPL43 (NM_176794) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones
Product Name: MRPL43 (NM_176794) Human 3' UTR Clone
Symbol: MRPL43
Synonyms: bMRP36a; L43mt; MRP-L43
Mammalian Cell Selection: Neomycin
Vector: pMirTarget (PS100062)
ACCN: NM_176794
Insert Size: 145 bp
Insert Sequence: >SC200842 3'UTR clone of NM_176794
 The sequence shown below is from the reference sequence of NM_176794. The complete sequence of this clone may contain minor differences, such as SNPs.
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGCCGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
TCCTTGGGGAAATACCCATTACCGTCCGTAACCCTTGTCATCCACTACTTGGCTATAAGCTCCAGAAGT
GACAAGACACTTCACATCTTAAATATGTTTCCTAGTTTATAATTCATTTGGGCAGTAAATGTTTGTGA
GCACTTA
ACGCGTAAGCGGCCGCGCATCTAGATTGGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
```

Restriction Sites: SgfI-MluI
OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).
Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq: [NM_176794.2](#)


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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. This gene and the gene for a semaphorin class 4 protein (SEMA4G) overlap at map location 10q24.31 and are transcribed in opposite directions. Sequence analysis identified multiple transcript variants encoding at least four different protein isoforms. [provided by RefSeq, Jul 2008]

Locus ID:

84545

MW:

5.4