

Product datasheet for **SC214552**

MRPL43 (NM_176792) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	MRPL43 (NM_176792) Human 3' UTR Clone
Symbol:	MRPL43
Synonyms:	bMRP36a; L43mt; MRP-L43
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_176792
Insert Size:	1463 bp



[View online »](#)

Insert Sequence: >SC214552 3'UTR clone of NM_176792
The sequence shown below is from the reference sequence of NM_176792. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon **Red**=Cloning site

```

GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAACGATCGCC
CCTGCACTGACCACTGTGTGCTCAGCGTAAGGCTGCATAGAAGTGTGTACGGCTTGAGGTTTCAGCAT
CCAGGCTGCAGACCCACGCAGTGTCTCATACAGTGGAATGTGGCAGATGAGACGGGCTTTCAGGAAGG
AAGTCCACTTCTTCTGCAGGATCTTCTCCCTCCAGGTCTCCCTGGGGAGGTAGAGGCACGGGATAAG
GGGCCAGGGTCAGAGGTCCAGCCTCTATACCCGTGCCCAACGTCAGCCCAATCCACCTTGACAGACAG
AGCCACACGGGCCACACGGTGACTGCTGCGGCTCTGAGTGAAGCTGCCAGAGCCCTCCTCAGTGGCAGC
CTCCGTGAAGAAGTAGTACACCTTGTATCATCACCCTGCACTGGCCTTGCTCTCCCGCAGCAGGAGC
GGAGAACAACAACTCCGCATCTGTGGGTGAGGCAGTTTGAAGAGGCTTTTGAAGAGGCTGGGGATTCTT
TTCCCTCACTCTGAGGCTGACCCCTCACTTGACAACACACAGGAATGGAATGGACAGGCTCACCTGGGG
ATTTGGGGGTGGGGTGGTCAGCTGGCCAAGGGAGTAAAAATGAAGAAATAGTCCCTACCCCCATCAT
CCTGTGCCTCATCTCCTAACCATTGAGCCAATGCATTGGTGTCTCTCAGTTCTCAGGGAGTGTGGGT
GGCGGCTCCGGCGGATGTCAGGAATGCTCCGAATTATACCTAGTGGCTGTGTAGAGGCTCCATCTG
GCGTGGGGATATTCCAGGCATGAGAGACATGTCATATTCAACAGGGCACATGACATATACATGGTGGCA
GGTCTAGAGATGAGATCCACATCTAAAAATACCATGTCTGTATAGGAAGAAGGCCTGCTACCAA
TGATGAGGCCTGTGAAGCCACGGGCTGGGTGATAAGGACACTTCTCTCCCTCCTCGAAGCTGGTTG
GCAAGGTGAAGGCCTCAGCATCTAGGGAACAAGAACAGCAGTAAGTGGTTCGAAGACAGGCAGGG
ACAGTGGCTCAAAGTCAGATCAGTCTGGGGTCAGGGATCAGCGATCAGGGATAGGGCAGGTTGTATGG
CAGATGCACCTGACAGCAATAACTTAAGCATCCCTGAGAATGACCTTATGGCCTCAAAACAATGTATG
TTTGGAGTTCAAATCTGCAAGTGGCCAACCTAGAGATTCACTCCTTATCTATGAAGAACATCTGAGCC
CCTAGCCCATCTGTGGAACACATGCTGTCCAGGGGATCAAGGCCCTTTGTTTGGGTAAATGAAGTT
TGCCAGGTGGAGGTGATTAGGGGAGGATGCTAAGTGAAGTGTATAAAAACTGCATGGTTTTTACAA
AGGGGAATGGTTCTCAGTGCAGCCGCCGCACTGGAGTGCCCTGTATGGAAGTCCCTTAATAAAACC
ATCCGTCTCCTTCA
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
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_176792.3](#)

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:

52.7