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Product datasheet for SC206262

MRPL43 (NM_032112) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Symbol:	MRPL43
Synonyms:	bMRP36a; L43mt; MRP-L43
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_032112
Insert Size:	495 bp
Insert Sequence:	>SC206262 3'UTR clone of NM_032112 The sequence shown below is from the reference sequence of NM_032112. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC CCTGCCCCAGCCCAGGTGCAAGCACAGTGAAGAGTTGCCCCACCAACTGCAGCCCCAGGCTTTGGACTG TTACTCCGGTAAAGGTGGTTCTTCCCCTTTGGGATTCCAAGCCCAGGCAAATGGAACCCATCAATGGGC AAGTTGACAGAGGTTCTGCTTGGGATAATGAAGAGCTGCCTGTTTCTTTCCAGTGCCTGCTTCTGGGGG CAGTGACCTTGTGAACCACTCATTTTTATGCAAGTGGCATCCCTAAAACCTGAGATGAGGAAGACTTCA AGGGTTTTACAGGGCCCTTGTTTTTTAAATCCAAATTGATAATAATGATCTCAAAACACAGTGAGAGGT CTGAAGGCTGGCTTCTGAAGAATCCCTGATGTCTTATTGGAACAACCACTGAGCTACGGAGAGCTCTGC TGTGATGGGCTAGGCACTTTATATCTGTGTGAATACAGATTTATAAAACAGGTTAATAAACTTATCCAA GGTCACATTTCA ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG
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.

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

RefSeq: NM_032112.3

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: 18.3