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Product datasheet for SC201623

MRPS21 (NM_018997) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	MRPS21 (NM_018997) Human 3' UTR Clone
Symbol:	MRPS21
Synonyms:	MDS016; MRP-S21; RPMS21
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_018997
Insert Size:	807 bp
Insert Sequence:	>SC201623 3'UTR clone of NM_018997 The sequence shown below is from the reference sequence of NM_018997. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC AATCGGGCAGATCCGTGGCAGGGCTGCTGAGGCCTGTGGGTGGGACACCCAGTGCGAAACCCTCATCCA GTTTTCTCTCCATCTCTTTTCTTTGTACAATCCCATTTCCTATTACCATTCTCTGCAATAAACTCAAAT CACATGTCTGCAAGAAGGCCTCCAAATATAGAAACAATCCCATTAGTCAGCAGTGGACCCTGTCTTTTA TTAAGTGAAAGAAGAAACTGAGTCTGAAAGTACTCTAGGAGTAGAATGGTATTTGCCAGGGACTGGAGG AGGGGGCAGTGAGGAGTTATTGTTTAATGGGTACAGAGTTTCAGTTTGGGCAGATGAAAAAGTTCAGGA GACGATGGCCTGGCATGGTGGCTCACGCCTGTTATCCCAACACTTTGGGAGGCTGAGGCGGGCGGCTCA CTTGAGGCCAGGAGTTTGAGACCAGCTTGGCCAATGTGGTGAAACCCCATCTCTACTAAAAATACAAAA AAAAATTGGCCGGGCGTGGTGGTGCACGCCTGTAATCCCAGATACTTGGGTGGCTGAGGCAGGAGAATT GCTTGAACTGGGGAGGAAGAGGTTGCAGTGAGCCAAGATCATGCCACTGCACTCCAACCTGGGCGACAG AGTGAGACTCCATCTCAAAACAAAAAAACGGAGATGGATGATGAATGGTGATGGCGGTTGCTCAAAAAG TTGAATGTACTTAATGCCACTGAACTATACCCTTAAATGGTCACGATGGTAAATTTTGTGTTTTACTAC AATAAAAACTTTTTTGAAAGTCAAAAAAAAAAAAAAAAAAAAAAAAA ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG
Restriction Sites:	SgfI-MluI

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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_018997.3

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 28S subunit protein that belongs to the ribosomal protein S21P family. Pseudogenes corresponding to this gene are found on chromosomes 1p, 1q, 9p, 10p, 10q, 16q, and 17q. Available sequence data analyses identified splice variants that differ in the 5' UTR; both transcripts encode the same protein. [provided by RefSeq, Jul 2008]

Locus ID: 54460

MW: 30.8