

## Product datasheet for SC201622

### MRPS21 (NM\_031901) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	MRPS21 (NM_031901) Human 3' UTR Clone
Symbol:	MRPS21
Synonyms:	MDS016; MRP-S21; RPMS21
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_031901
Insert Size:	781 bp
Insert Sequence:	>SC201622 3'UTR clone of NM_031901 The sequence shown below is from the reference sequence of NM_031901. The complete sequence of this clone may contain minor differences, such as SNPs. <b>Blue</b> =Stop Codon <b>Red</b> =Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAGCGATCGCC
AATCGGGCAGATCCGTGGCAGGGCTGCTGAGGCCCTGTGGGTGGGACACCCAGTGGCAAACCCCTCATCCA
GTTTTCTCTCCATCTCTTTTCTTTGTACAATCCCATTTCTATTACCATTCTCTGCAATAAACTCAAAT
CACATGTCTGCAAGAAGCCTCCAAATATAGAAACAATCCCATTAGTCAGCAGTGGACCCGTCTTTTA
TTAAGTAAAAGAAGAACTGAGTCTGAAAGTACTTAGGAGTAGAATGGTATTTGCCAGGGACTGGAGG
AGGGGGCAGTGAGGAGTTATTGTTAATGGGTACAGAGTTTCAGTTTGGGCAGATGAAAAAGTTCAGGA
GACGATGGCCTGGCATGGTGGCTCACGCCTGTTATCCCAACACTTTGGGAGGCTGAGGCGGGCGGCTCA
CTTGAGGCCAGGAGTTTGAGACCAGCTTGCCAAATGTGGTGAACCCCATCTCTACTAAAAATACAAAA
AAAAATTGGCCGGGCGTGGTGGTGCACGCCTGTAATCCCAGATACTTGGGTGGCTGAGGCAGGAGAATT
GCTTGAAGTGGGAGGAAGAGGTTGCAGTGAGCCAAGATCATGCCACTGCACTCCAACCTGGGCGACAG
AGTGAGACTCCATCTCAAAACAAAAAACGGAGATGGATGATGAATGGTGGTGGCGGTTGCTCAAAAAG
TTGAATGTAATTAATGCCACTGAATATACCCTTAAATGGTACGATGGTAAATTTGTGTTTTACTAC
AATAAAAACTTTTTTGAAAGTC
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG

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Restriction Sites: SgfI-MluI



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<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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.
<b>RefSeq:</b>	<a href="#">NM_031901.6</a>
<b>Summary:</b>	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]
<b>Locus ID:</b>	54460
<b>MW:</b>	29.7