

Product datasheet for **SC207704**

MRPS18C (NM_016067) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	MRPS18C (NM_016067) Human 3' UTR Clone
Symbol:	MRPS18C
Synonyms:	CGI-134; MRP-S18-1; MRP-S18-c; MRPS18-1; mrps18-c; S18mt-c
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_016067
Insert Size:	1131 bp
Insert Sequence:	>SC207704 3'UTR clone of NM_016067

The sequence shown below is from the reference sequence of NM_016067. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon **Red**=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
AAAGTTTGTAAACATCAGATATCGGGAATAAATTCTATCACGTTACCACTAATAAACTTATTTTACAGTA
AGTGGTTGTATGATGCCAATACTGACTCAAACCAACCTTTGGATAGAAAAGTGTTTGAGGAGTGAGGTA
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GTATGCCTGGTTAAGATATCTTCCCTTTGTAGAAATGTTACATTGGGATGGATAGTGGTGCCTGTCACAG
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CCTCCTGACTTGTCTTCCCTAAGTGTGGGATTACAGGTGTGAGCCACTGTGCCTGGTCTCACTTTTCC
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AAATAAAAGCATCTGATGTTTAAAAA
ACGCGTAAGCGGCCGCGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTGATTCCACCGCCGCTTCTATGAAAGG
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Restriction Sites:	Sgfl-Mlul
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_016067.4
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 S18P family. The encoded protein is one of three that has significant sequence similarity to bacterial S18 proteins. The primary sequences of the three human mitochondrial S18 proteins are no more closely related to each other than they are to the prokaryotic S18 proteins. Pseudogenes corresponding to this gene are found on chromosomes 8p, 12p, 15q, and 22q. [provided by RefSeq, Jul 2008]
Locus ID:	51023
MW:	43.4