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Product datasheet for SC201675

MRPS5 (NM_031902) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	MRPS5 (NM_031902) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	MRPS5
Synonyms:	MRP-S5; S5mt
ACCN:	NM_031902
Insert Size:	152 bp
Insert Sequence:	>SC201675 3' UTR clone of NM_031902 The sequence shown below is from the reference sequence of NM_031902. The complete sequence of this clone may contain minor differences, such as SNPs. Red=Cloning site Blue=Stop Codon CAATTGGCAGAGCTCAGAATTCAAGCGATCGC AAGAGAGCCGCCACG**TAA**CCTCTCTGGCCTTGTGCAGCCAGTTCCTGTGCTGCCCTGCACCTAGGAGAGA CTCAGCCCCTCACAGCTTGGGATGTTACCTTGCCTTTTGTTTGTTTTGAGGGAAGTTTAATCTTTAAACT CTTTGGAAATAA ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCG
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_031902.3

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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 S5P family. Pseudogenes corresponding to this gene are found on chromosomes 4q, 5q, and 18q. [provided by RefSeq, Jul 2008]

Locus ID: 64969