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Product datasheet for SC206367

MRPS7 (NM_015971) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	MRPS7 (NM_015971) Human 3' UTR Clone
Symbol:	MRPS7
Synonyms:	bMRP27a; COXPD34; MRP-S; MRP-S7; RP-S7; RPMS7; S7mt
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_015971
Insert Size:	483 bp
Insert Sequence:	>SC206367 3'UTR clone of NM_015971 The sequence shown below is from the reference sequence of NM_015971. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC CGTGCCCTGGCCCACTACCGCTGGTGGTAGAGTCTCCAGGAGGAGCCCAGGGCCCTCTGCCGCAAGAAA CAGTGTGAGCTACTGCCACGCTGAAAACTACCTGTGGGTTAAGGATGTAGTTCCTTTGTAAGGGTGGGC AGGCCTCGTAAGAAAGATGTAGCAGCATATTCACTATCCGTTAATCCTTCTTTCTTTGAGGCTGGAACT TGCTCTCTCTGCCCCTATTTCCTTGTAAAGAGGGAGCACATTGACTTGGGAATTTCCTCCAGGAAACTC AGGGCTGTTTTCTCTTCCCTTAGGTTGGGGCGGACCTTTGGATATATAAAGGAAGCAGTTTTAGTATCA GAAAAGATTTATTAGAAAATTCTCACGCTGAACTGGTGTAGCATGTGGTGCAGCATTCAGTGAAACTGG CTGGAGGAAATAGGCTTGTTTCCAGAGTTGTCCTTATACAAAATGTATAAAAAGCAGTTTCTGGTGTGA 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.

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RefSeq:	NM_015971.4
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. In the prokaryotic ribosome, the comparable protein is thought to play an essential role in organizing the 3' domain of the 16 S rRNA in the vicinity of the P- and A-sites. Pseudogenes corresponding to this gene are found on chromosomes 8p and 12p. [provided by RefSeq, Jul 2008]
Locus ID:	51081
MW:	18.7