

Product datasheet for **SC217038**

MRPL30 (NM_145212) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	MRPL30 (NM_145212) Human 3' UTR Clone
Symbol:	MRPL30
Synonyms:	L28MT; L30MT; MRP-L28; MRP-L30; MRPL28; MRPL28M; RPML28
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_145212
Insert Size:	2000 bp



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Insert Sequence: >SC217038 3'UTR clone of NM_145212
 The sequence shown below is from the reference sequence of NM_145212. The complete sequence of this clone may contain minor differences, such as SNPs.
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAGCGATCGCC
CCTGTGGAGCAGAAAGCACATGAGTCCATGCCCCAGCAGCTTCCGATTGAAAAATGCAAATGTTTT
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AACCAGATCCCATTAATAAATAAGCTTAAAGGCAACTGCAGTTTTAATCCATAGTTATTGAATATCCA
GTGTGTGTAAGGCCTGGAGGGGAGCCAAAGGACACTAACTTCTAAGAGCTCCGTCTAGTTGGAGAGAAA
CCTGTGTGCCACAACATACAGTGTCTTGTCTATGTGGGGTGAAGACATCTGTGAAAAATAAAGCAGC
CTCTGCTAATTTAGCGCCATCTTTTTACTGTGCTAATTTTTTTTTTTTCTTAGAGACAGGGTCTCACTC
ACGCGT AAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
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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_145212.4](#)

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 39S subunit protein. Alternative splicing results in multiple transcript variants. Pseudogenes corresponding to this gene are found on chromosomes 6p and 12p. Read-through transcription also exists between this gene and the neighboring upstream lipoyltransferase 1 (LIPT1) gene. [provided by RefSeq, Mar 2011]

Locus ID:

51263

MW:

75.4