

## Product datasheet for **SC203671**

### MRPL4 (NM\_015956) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	MRPL4 (NM_015956) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	MRPL4
Synonyms:	CGI-28; L4mt
ACCN:	NM_015956
Insert Size:	272 bp
Insert Sequence:	>SC203671 3'UTR clone of NM_015956 The sequence shown below is from the reference sequence of NM_015956. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site  GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAA <b>GCGATCGCC</b> GGCCCAGCGGCCACCCCGTACCACTGT <b>TGA</b> TGTGAAGCACCTCTTCTGAGCCAGGCCGAGCCCTGGCC GACTTGGGAGCCTCAGGCCACGCCACCCTTCGAGGAAGGTGTCACCTGGACCCCTTCATTCCACGGA GGAAGCTGAGGCCACAGGGAGCGCCATCGCCATTGGGAAGGGGCGACTCCACGAAAGCCAGACGGG CTTCTGCATCCATTCCCTCTTTTGTTTTTAAAAATAAATTGTATTTTTGAATCAAGGAGGATAAA <b>ACGCGT</b> AAGCGGCCGCGCATCTAGATTGAAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTCGATTCCACCGCCCTTCTATGAAAGG
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:	<u><a href="#">NM_015956.3</a></u>



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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 39S subunit protein. Sequence analysis identified alternatively spliced variants that encode different protein isoforms. [provided by RefSeq, Jul 2008]

**Locus ID:** 51073

**MW:** 9.7