

## Product datasheet for **SC203073**

### MRPL27 (NM\_016504) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	MRPL27 (NM_016504) Human 3' UTR Clone
Symbol:	MRPL27
Synonyms:	L27mt
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_016504
Insert Size:	255 bp
Insert Sequence:	>SC203073 3'UTR clone of NM_016504 The sequence shown below is from the reference sequence of NM_016504. The complete sequence of this clone may contain minor differences, such as SNPs. <b>Blue</b> =Stop Codon <b>Red</b> =Cloning site

```
GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GGCACCTTCAAAGTGGTAGCTATGCTTTGATGTCCTGTTGAGGCCATCGGACAGAGACTGGAGCCCAGG
TGACAGGAGATGGTGATACCAGAAGTCAAGGGTTGGGGTGGCGACACGGCCTCCCGAGGAAGAGGTCTG
CTTGATGGTGACTCTGCAGGAGACTCTGAAGTACTGCTGGGAAACCTTTGGGAGACCTGACCTGGGG
CCAAAAATAAAGTGAGCCAGCGTCATGAACGCATGCTATTTAGGGACA
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
```

Restriction Sites:	Sgfl-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_016504.3</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. [provided by RefSeq, Jul 2008]

**Locus ID:**

51264

**MW:**

8.9