

## Product datasheet for **SC200579**

### MRPL55 (NM\_181456) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	MRPL55 (NM_181456) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	MRPL55
Synonyms:	AAVG5835; L55nt; MRP-L55; PRO19675
ACCN:	NM_181456
Insert Size:	105 bp
Insert Sequence:	>SC200579 3'UTR clone of NM_181456 The sequence shown below is from the reference sequence of NM_181456. The complete sequence of this clone may contain minor differences, such as SNPs. <b>Blue</b> =Stop Codon <b>Red</b> =Cloning site  GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC CGACAGTTCTGGACCAGGACCAAGAAGTGAACCGTGGCTCCAGCCACCCCGGACATTGCTAAGATGGGA GGGCTGTTCTTAAATCACTCGTTCTTGAAGCTGCCA <b>ACGCGT</b> AAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
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_181456.3</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. Multiple transcript variants encoding two different isoforms were identified through sequence analysis. [provided by RefSeq, Jul 2008]

**Locus ID:**

128308

**MW:**

4.2