

## Product datasheet for **SC209255**

### MRPL52 (NM\_181305) Human 3' UTR Clone

#### Product data:

Product Type: 3' UTR Clones

Product Name: MRPL52 (NM\_181305) Human 3' UTR Clone

Vector: pMirTarget (PS100062)

Symbol: MRPL52

ACCN: NM\_181305

Insert Size: 746 bp

Insert Sequence: >SC209255 3'UTR clone of NM\_181305  
The sequence shown below is from the reference sequence of NM\_181305. The complete sequence of this clone may contain minor differences, such as SNPs.  
Blue=Stop Codon Red=Cloning site

```
GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAAACAATTGGCAGAGCTCAGAATTCAACGCATCGCC
TCACTGAAGAGCCCACTTCCAAGTCAATTAAAAAGCAACTCCTGCCTCCCTTCTCACCCTGTCTCTGGA
TTTTTTTTCTATCACCTAGATGCTTCATCCAGCCAGAAGATAGCCTTCAGTTCCCCATCTGTCTTCAG
AGAAAAAGAGCTGGGACCAAGAACAAGCTGTTAGATCACTGCCTGGGAGGCTTGGCTTAGTACTCTC
ATCTCTGGTTCCATTCCAGTTCAGCTAAGTCTTGCTTTAAAAATTTTACCTCCTAGCTGGGTGCGGTGG
CTCACGCCTGTAATCCCAGCACTTTGGGAGGCTGAGGCGGGCAGATCACAAAGATCAGGAGTTCGAGACC
AGCCTGGCCAACCCAGCCTGGTCAACATGGTGAAACCCTGTCCCTACTAAAGATACAAACAATTAGCCG
GGCGTGGTGGGTGCGCTTGTAATCCCAGCTACTCAGGAGGCTGAGGCAGGAGAATCGCTTAAACTCGG
GAGGTAGAGGTTGCAGTGAGCCAAGGTCACACCATGCACTCCAACCTGGGCGACAGGGCGAGACTCCG
TCTCAAAAAAAAAAAAAAAAAATTTACCTCCTTTGCAGGCCATAGGACTAGCCCAACTATGAGAAATAGCTG
TTCTGTGAACGTGAAAAGGGGACAGCAGTTTTCCAGTTTTGGCCAGGCAGTCAAGCCTTTAACAGCTC
ATGCACAGTTTTAGCCATGTACAGCTGGCATCTAATAAATGTTTTTCATGAAAAAGA
ACGCGTAAGCGGCCGCGCATCTAGATTGAAAGAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
```

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.



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RefSeq: [NM\\_181305.3](#)

**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 which has no bacterial homolog. Multiple transcript variants encoding different protein isoforms were identified through sequence analysis. [provided by RefSeq, Jul 2008]

Locus ID: 122704

MW: 27.4