

## Product datasheet for SC201566

### MRPS24 (NM\_032014) Human 3' UTR Clone

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | 3' UTR Clones  |
| Product Name:             | MRPS24 (NM_032014) Human 3' UTR Clone  |
| Symbol:                   | MRPS24   |
| Synonyms:                 | bMRP-47; bMRP47; HSPC335; MRP-S24; S24mt   |
| Mammalian Cell Selection: | Neomycin   |
| Vector:                   | pMirTarget (PS100062)  |
| ACCN:                     | NM_032014  |
| Insert Size:              | 171 bp   |
| Insert Sequence:          | <p>&gt;SC201566 3'UTR clone of NM_032014</p> <p>The sequence shown below is from the reference sequence of NM_032014. The complete sequence of this clone may contain minor differences, such as SNPs.</p> <p>Blue=Stop Codon Red=Cloning site</p> |

```

GGCAAGTTGGACGCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGCCGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAACGATCGCC
CCCTCAAAGGTTGTGTATAAGTACCTCTAGAACAAATCCCCTTTTTTCCATCAAGCTGTAGCCTGCAGAG
AATGGAAACGTGGGAAAGGAATGGTATGTGGGGGAAATGCATCCCCTCAGAGGACTGAGGCATAGTCTC
TCATCTGCTATTGAATAAAGACCTTCTATCTTG
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
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>NM_032014.3</u>  |


[View online »](#)

**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 28S subunit protein. A pseudogene corresponding to this gene is found on chromosome 11. Read-through transcription exists between this gene and the upstream upregulator of cell proliferation (URGCP) gene. [provided by RefSeq, Mar 2011]

**Locus ID:**

64951

**MW:**

6.5