

## Product datasheet for **SC107925**

### MRPS26 (NM\_030811) Human Untagged Clone

#### Product data:

|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Type:             | Expression Plasmids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Product Name:             | MRPS26 (NM_030811) Human Untagged Clone                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Tag:                      | Tag Free                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Symbol:                   | MRPS26                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Synonyms:                 | C20orf193; dj534B8.3; GI008; MRP-S13; MRP-S26; MRPS13; NY-BR-87; RPMS13                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Mammalian Cell Selection: | None                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Vector:                   | <u>pCMV6-XL5</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| E. coli Selection:        | Ampicillin (100 ug/mL)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Fully Sequenced ORF:      | <p>&gt;OriGene ORF within SC107925 sequence for NM_030811 edited (data generated by NextGen Sequencing)</p> <p>ATGCTACGCGCTGAGCCGCCTGGGCGCGGGACCCCGTGCAGGCCCGGGCCCTCTG<br/> GTGCTGCCAGCGCGCGCGCAAGACCCGCCACGCCGCTGGCCAAATCCAAGATCGAG<br/> CGAGTGAACATGCCGCCCGCGGTGGACCCTGCGGAGTTCTTCGTGCTGATGGAGCGTTAC<br/> CAGCACTACCGCCAGACCGTGCGCGCCCTCAGGATGGAGTTCGTGTCCGAGGTGCAGAGG<br/> AAGGTGCACGAGGCCCGAGCCGGGTTCTGGCGGAGCGCAAGGCCCTGAAGGACGCCGCC<br/> GAGCACCGCGAGCTGATGGCCTGGAACAGGCGGAGAACCAGCGGCTGCACGAGCTGCGG<br/> ATAGCGAGGCTGCGGCAGGAGGAGCGGGAGCAGGAGCAGCGGCAGGCGTTGGAGCAGGCC<br/> CGCAAGGCCGAAGAGGTGCAGGCCTGGGCGCAGCGCAAGGAGCGGGAAGTGTGCAGCTG<br/> CAGGAAGAGATGAAAACTTCATCACCCGAGAGAACCTGGAGGCACGGGTGGAAGCAGCA<br/> TTGGACTCCCGAAGAATACTCACTGGGCCATCACCAGAGAGGGCTGGTGGTCAGGCCA<br/> CAACGCAGGGACTCCTAG</p> <p>Clone variation with respect to NM_030811.3<br/> 490 g=&gt;a</p> |



[View online »](#)

**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_030811 unedited  
CGACTCACTATAGGGCGGCCGCGAATTCGGCACGAGGCACACGGCCGGCGGGCGGTGAG  
GGACAGCCCGAGGACTACAGGTCCCAAGGTTCCCGCGCCGCTTCCGGGGCACGGTGGCG  
TCCCGGCACCGCGGCCGAGTGAGGAGACTCGGCCATGCTACGCGCGCTGAGCCGCCTGG  
GCGCGGGGACCCCGTGCAGGCCCGGGCCCTCTGGTGTGCCAGCGCGGGCCGAAGA  
CCCGCCACGACCCGCTGGCCAAATCCAAGATCGAGCGAGTGAACATGCCGCCCGCGGTGG  
ACCCTGCGGAGTTCTTCGTGCTGATGGAGCGTTACCAGCACTACCGCCAGACCGTGCAGC  
CCCTCAGGATGGAGTTCTGTCCGAGGTGCAGAGGAAGGTGCACGAGGCCGAGCCGGGG  
TTCTGGCGGAGCGCAAGGCCCTGAAGGACGCGCCGAGCACCAGCTGATGGCTGGA  
ACCAGGCGGAGAACCAGCGGCTGCACGAGCTGCGGATAGCAGGCTGCGGCAGGAGAGC  
GGGAGCAGGAGCAGCGGAGGCGTTGGAGCAGGCCCGAAGGCCGAAGAGGTGCAGGCT  
GGGCGCAGCGCAAGGAGCGGGAAGTGCTGCAGCTGCAGGAAGAGATGAANAATTCATCA  
CCCAGAGAACCTGGAGGCAGGGTGAAGCAGCATTGGACTCCCGGAAGAACTACACT  
GGGCCATCACCAGAGAGGGGCTGGTGGTCANGCCANACGCAGGGAAGTCTAGNGCCCA  
GTANGGACAGTGCCCGCAGGGACCATGTATGTATCATGGCGGAAGAAGTGGCCCTGACC  
TGGAAATAGCAGNTGGTGTTCCTATGAGGAANGGTGAGCTTTAACAGAACAGCCTTACG  
TTTGGCCTTGCTGCACCACTGGGCAGAACTTCAACGCAGGCTGTTTGGCGGGGCGAGCC  
TACGCACAGAGACTTAAGTGGTCT

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_030811 unedited  
NNCCCTTCTTGNCCGCGGCCGATTCTANATCGAGNTTTTTTTTTTTTTTTTTTTTTTTT  
TTTGGGGTCCAACAAAATTTATTTACAAAACAGGAAGCAGGCACGTTTGGCCCTCAA  
CTGTAATCTTCCATCACTACTCTTAATGATACTCAAATGACCTGGCTGCCTGAGGGGGC  
TGTGGCCCTGTCTGATTCTGTGAGATGGAAACCACTTAGGGTCTCCTGGTGCCTGA  
GGCTGTACACACCGGCAGAACAGGGCACTGCGTTTGAAGTTTCTGACCAAGTGGTGACA  
GCAGAGGGCAAAACGTGAAGGCTGTGCTGGATAAGCTGAACCTTCTCATAAGCAACAC  
CAACTGCTTTATCCAGGTGAGGGCCAACTCTTCCGCCATGATACATACATGGTCCCTGG  
CGGGCACTGTCTTACTGGGCCCTAAGAGTCCCTGCGTTGTGGCCTGACCACCAACCCC  
TCTCTGGTGATGGCCAGTTGTAGTTCTTCCGGGAGTCCAATGCTGCTTCCACCCGTGCC  
TCCAGGTTCTCTCGGGTATGAAGTTTTTCATCTCTTCTGCAGTGCAGCACTTCCCGC  
TCCTTGGCTGCGCCAGGCCTGCACCTCTTGGCCTTGGGGCTGCTCCAACGCCTGC  
CGCTGNTTCTGCTCCCGCTCCTCCTGCCGAGACTTGCTATCCGAGCTCGTGACCCGC  
CCGTTTCTTGCCTGTTTTCAGGCCCATCAGCTCGCGGGTGTCTCGCGGGCGTCTTCAAG  
GCCCTTGCCTCCGNCAGAACCCCGCCTTGGGCTCGTGACCCCTTCTGAGACCTCG  
NACACGAAGTCCATCCCTGAGGGCCCCACCGTCTGGNCGGTATTGCTGGTAACCTCTCA  
TCAACACGAAGAACTCC

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_030811

**Insert Size:**

970 bp

**OTI Disclaimer:**

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**Components:**

The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

|                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Reconstitution Method:</b> | <ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.</li> </ol>                                                                                                                                                                                                                                                                                                                                |
| <b>RefSeq:</b>                | <u>NM_030811.3, NP_110438.1</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>RefSeq Size:</b>           | 1062 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>RefSeq ORF:</b>            | 618 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Locus ID:</b>              | 64949                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>UniProt ID:</b>            | <u>Q9BYN8</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Cytogenetics:</b>          | 20p13                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Gene Summary:</b>          | <p>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. This gene lies adjacent to and downstream of the gonadotropin-releasing hormone precursor gene. [provided by RefSeq, Jul 2008]</p> |