

Product datasheet for TP762124

MRPL15 (NM_014175) Human Recombinant Protein

Product data:

| Product Type: | Recombinant Proteins |
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| Description: | Purified recombinant protein of Human mitochondrial ribosomal protein L15 (MRPL15), nuclear gene encoding mitochondrial protein,Lys28-end, with N-terminal His tag, expressed in E. coli, 50ug |
| Species: | Human |
| Expression Host: | E. coli |
| Expression cDNA Clone or AA Sequence: | A DNA sequence encoding the region(Lys28-end) of MRPL15 |
| Tag: | N-His |
| Predicted MW: | 30.7 kDa |
| Concentration: | >0.05 µg/µL as determined by microplate BCA method |
| Purity: | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| Buffer: | 50 mM Tris-HCl, pH 8.0, 8 M urea |
| Note: | For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process. |
| Storage: | Store at -80°C. |
| Stability: | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. |
| RefSeq: | <u>NP 054894</u> |
| Locus ID: | 29088 |
| UniProt ID: | <u>Q9P015</u> |
| RefSeq Size: | 1749 |
| Cytogenetics: | 8q11.23 |
| RefSeq ORF: | 888 |
| Synonyms: | HSPC145; L15mt; MRP-L7; MRP-L15; RPML7 |
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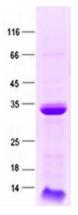
OriGene Technologies, Inc.

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GRIGENE MRPL15 (NM_014175) Human Recombinant Protein – TP762124

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
that belongs to the EcoL15 ribosomal protein family. A pseudogene corresponding to this
gene is found on chromosome 15q. [provided by RefSeq, Jul 2008]

Product images:



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