

## 32-4238: Recombinant Human Mitochondrial Ribosomal Protein L1

**Alternative Name :** BM022,L1MT,MRP-L1,39S ribosomal protein L1,mitochondria,MRPL1.

### Description

Source : E.coli. MRPL1 Human Recombinant produced in E. coli is a single polypeptide chain containing 298 amino acids (51-325) and having a molecular mass of 33.8kDa. MRPL1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Mitochondrial Ribosomal Protein L1 (MRPL1) exists as a component of the 39S ribosomal subunit and operates in conjunction with other MRPs to mediate protein synthesis. Mitochondrial ribosomes consist of a large 39S subunit and a small 28S subunit, both of which are consist of multiple mitochondrial ribosomal proteins (MRPs) that are encoded by nuclear genes and are vital for protein synthesis within mitochondria. MRPL1 exists as 2 isoforms produced by alternative splicing. Isoform 1 of MRPL1 is ubiquitously expressed while isoform 2 is particularly expressed in heart.

### Product Info

<b>Amount :</b>	20 µg
<b>Purification :</b>	Greater than 80% as determined by SDS-PAGE.
<b>Content :</b>	The MRPL1 solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.1M NaCl, 30% glycerol and 1mM DTT.
<b>Storage condition :</b>	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
<b>Amino Acid :</b>	MGSSHHHHH SSGLVPRGSH MGSKKTKKGA KEKTPDEKGD EIEKIKAYPY MEGEPEDDVY LKRLYPRQIY EVEKAVHLLK KFAQLDFTSP QQSVYLDLTL DMALGKKKNV EPFTSVLSLP YPFASEINKV AVFTENASEV KIAEENGAAF AGGTSLIQKI WDDEIVADFY VAVPEIMPEL NRLRKKLNKK YPKLSRNSIG RDIPKMLELF KNGHEIKVDE ERENFLQTKI ATLDMSSDQI AANLQAVINE VCRHRPLNLG PFVVRAFLRS STSEGLLLKI DPLLPKEVKN EESEKEDA.

