

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 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

Amount :	20 µg
Purification :	Greater than 80% as determined by SDS-PAGE.
Content :	The MRPL1 solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.1M NaCl, 30% glycerol and 1mM DTT.
Storage condition :	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.
Amino Acid :	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.

