9051 Mira Mesa Blvd, #910094
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MRPL1 Human

Mitochondrial Ribosomal Protein L1 Human Recombinant
RCP1395

Product Overview

Name	MRPL1 Human
Description	
Mitochondrial Ribosomal Protein L1 Human Recombinant	
Accession (Primary)	Q9BYD6
Synonyms	
BM022, L1MT, MRP-L1, 39S ribosomal protein L1, mitochondria, MRPL1.	
Introduction	
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.	
Source	
E.coli.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
The MRPL1 solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.1M NaCl, 30% glycerol and 1mM DTT.	
Stability	
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.	
Purity	
Greater than 80% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MGS KKTKKGA KEKTPDEKKD EIEKIKAYPY MEGEPEDDVY LKRLYPRQIY EVEKAVHLLK KFQILDFTSP KQSVYLDLTL DMALGKKKNV EPFTSVLSLP YPFASEINKV AVFTENASEV KIAEENGAAF AGGTSLIQKI WDDEIVADFY VAVPEIMPEL NRLRKKLNKK YPKLSRNSIG RDIPKMLELF KNGHEIKVDE ERENFLQTKI ATLDMSSDQI AANLQAVINE VCRHRPLNLG PFVVRAFLRS STSEGLLLKI	

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DPLLPKEVKN EESEKEDA.

Precautions

MRPL1 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q9BYD6)