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32-4243: Recombinant Human Mitochondrial Ribosomal Protein S2

Alternative Name : Mitochondrial ribosomal protein S2,CGI-91,MRP-S2,S2mt,28S ribosomal protein S2,mitochondrial,MRPS2.

Description

Source : Escherichia Coli. MRPS2 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 319 amino acids (1-296) and having a molecular mass of 35.6 kDa.MRPS2 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. 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 and have about 75% protein to rRNA composition compared to prokaryotic ribosomes, where this ratio is reversed. Mitochondrial Ribosomal Protein S2 (MRPS2) is a 28S subunit protein which is a part of the ribosomal protein S2 family and comprises a 12S rRNA and about 30 distinct proteins.

Product Info

Amount :	20 µg
Purification :	Greater than 85.0% as determined by SDS-PAGE.
Content :	The MRPS2 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0) and 10% glycerol.
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 :	MGSSHHHHHH SSGLVPRGSH MGSMATSSAA LPRILGAGAR APSRWLGFLG KATPRPARPS RRTLGSATAL MIRESEDSTD FNDKILNEPL KHSDFFNVKE LFSVRSLFDA RVHLGHKAGC RHRFMEPYIF GSRLDHDIID LEQTATHLQL ALNFTAHMAY RKGIILFISR NRQFSYLIEN MARDCGEYAH TRYFRGGMLT NARLLFGPTV RLPDLIIFLH TLNNIFEPHV AVRDAAKMNI PTVGIVDTNC NPCLITYPVP GNDDSPLAVH LYCRLFQTAI TRAKEKRQQV EALYRLQGQK EPGDQGPAHP PGADMSHSL.

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