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MRPS2 Human

Mitochondrial Ribosomal Protein S2 Human Recombinant
RCP1400

Product Overview

Name	MRPS2 Human
Description	
Mitochondrial Ribosomal Protein S2 Human Recombinant	
Accession (Primary)	Q9Y399
Synonyms	
Mitochondrial ribosomal protein S2, CGI-91, MRP-S2, S2mt, 28S ribosomal protein S2, mitochondrial, MRPS2.	
Introduction	
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.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
The MRPS2 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0) and 10% glycerol.	
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 85.0% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MGS MATSSAA 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.

Precautions

MRPS2 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q9Y399)