

AR51125PU-N

Human MRPS2 (1-296, His-tag) - Purified

Alternate names:	28S ribosomal protein S2, CGI-91, MRP-S2, S2mt, mitochondria
Quantity:	0.5 mg
Concentration:	1 mg/ml (determined by Bradford assay)
Background:	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. They have an estimated 75% protein to rRNA composition compared to prokaryotic ribosomes, where this ratio is reversed. Another difference between mammalian mitoribosomes and prokaryotic ribosomes is that the latter contain a 5S rRNA. MRPS2 is a 28S subunit protein that belongs to the ribosomal protein S2 family.
Uniprot ID:	Q9Y399
NCBI:	NP_057118
GeneID:	51116
Species:	Human
Source:	E. coli
Format:	State: Liquid purified protein Purity: >85% by SDS - PAGE Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol.
Description:	Recombinant human MRPS2 protein, fused to His-tag at N-terminus, was expressed in E.coli. AA Sequence: MGSSHHHHH SSGLVPRGSH MGSMATSSAA LPRILGAGAR APSRWLGFLG KATPRPARPS RRTLGSATAL MIRESEDSTD FNDKILNEPL KHSDFFNVE LFSVRSFLDA RVHLGHKAGC RHRFMEPYIF GSRLDHDIID LEQTATHLQL ALNFTAHMAY RKGILFISR NRQFSYLIEN MARDCEYAH TRYFRGGMLT NARLLFGPTV RLPDLIIFLH TLNNIFEPHV AVRDAKMNI PTVGIVDTNC NPCLITYPVP GNDDSPAVH LYCRLFQTAI TRAKEKRQQV EALYRLQGQK EPGDQGPAHP PGADMSHSL Molecular weight: 35.6 kDa (319aa)
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	Suzuki T., et al (2001). J. Biol. Chem. 276:33181-33195 Koc E.C., et al (2001). J. Biol. Chem. 276:19363-19374

Pictures:

