

**AR51125PU-S****Human MRPS2 (1-296, His-tag) - Purified**

<b>Alternate names:</b>	28S ribosomal protein S2, CGI-91, MRP-S2, S2mt, mitochondria
<b>Quantity:</b>	0.1 mg
<b>Concentration:</b>	1 mg/ml (determined by Bradford assay)
<b>Background:</b>	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.
<b>Uniprot ID:</b>	<a href="#">Q9Y399</a>
<b>NCBI:</b>	<a href="#">NP_057118</a>
<b>GeneID:</b>	<a href="#">51116</a>
<b>Species:</b>	Human
<b>Source:</b>	E. coli
<b>Format:</b>	<b>State:</b> Liquid purified protein <b>Purity:</b> >85% by SDS - PAGE <b>Buffer System:</b> 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol.
<b>Description:</b>	Recombinant human MRPS2 protein, fused to His-tag at N-terminus, was expressed in E.coli. <b>AA Sequence:</b> MGSSHHHHHH SGLVPRGSH MGSMTSSAA LPRILGAGAR APSRWLGFGLG KATPRPARPS RRTLGSATAL MIRESEDSTD FNDKILNEPL KHSDFFNVKE LFSVRSLFDA RVHLGHKAGC RHRFMEPYIF GSRLDHDIID LEQTATHLQL ALNFTAHMAY RKGIIILFISR NRQFSYLIEN MARDCEYAH TRYFRGGMLT NARLLFGPTV RLPDLIIIFLH TLNNIFEPHV AVRDAAKMNI PTVGIVDTNC NPCLITYPVP GNDDSPLAHV LYCRLFQTAI TRAKEKRQOV EALYRLQGQK EPGDQGPAPHP PGADMESHSL <b>Molecular weight:</b> 35.6 kDa (319aa)
<b>Storage:</b>	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.
<b>General Readings:</b>	Suzuki T., et al (2001). J. Biol. Chem. 276:33181-33195 Koc E.C., et al (2001). J. Biol. Chem. 276:19363-19374

Pictures:

