

Recombinant Human MRPS2, His-tagged

Cat. No. MRPS2-2301H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human MRPS2 protein, fused to His-tag at N-terminus, was expressed in E.coli.
Description	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.
Source	E. coli
Species	Human
Tag	His
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol.
Molecular Mass	35.6 kDa
Protein length	319aa
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMATSSAA LPRILGAGAR APSRWLGFLG KATPRPARPS RRTLGSATAL MIRESEDSTD FNDKILNEPL KHSDDFFNVKE

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LFSVRS LFDA RVHLGHKAGC RHRFM EPYIF GSRLD HDIID LEQTATHLQL
 ALNFTA HMAY RKGILFISR NRQFSY LIENMARD CGEYAH TRYFRGGMLT
 NARLLFGPTV RLPDLIIFLH TLNNIFE PHV AVRDA AKMNI PTVGIVDTNC
 NPCLITYPVP GNDDSP LAVH LYCRLFQTAI TRAKEKRQQV EALYRLQGQK
 EPGDQGPAHP PGADM SHSL

Purity >85% by SDS - PAGE

Applications SDS-PAGE

Storage Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

Concentration 1.0 mg/ml

GENE INFORMATION

Gene Name MRPS2 mitochondrial ribosomal protein S2 [Homo sapiens]

Official Symbol MRPS2

Synonyms MRPS2; mitochondrial ribosomal protein S2; 28S ribosomal protein S2, mitochondrial; CGI 91; mitochondrial 28S ribosomal protein S2; S2mt; CGI-91; MRP-S2;

Gene ID 51116

mRNA Refseq NM_016034

Protein Refseq NP_057118

MIM 611971

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UniProt ID	Q9Y399
Chromosome Location	9q34
Function	structural constituent of ribosome;

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