

Recombinant Human mitochondrial ribosomal protein S23, His-tagged

Cat. No. MRPS23-638H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	MRPS23, 1-190 aa Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	1-190 a.a.
Description	Mammalian mitochondrial ribosomal proteins are encoded by nuclear genes and help in protein synthesis within the mitochondrion. Mitochondrial ribosomes 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. Among different species, the proteins comprising the mitoribosome differ greatly in sequence, and sometimes in biochemical properties, which prevents easy recognition by sequence homology. MRPS23 encodes a 28S subunit protein. Recombinant human MRPS23 protein, fused to His-tag at N-terminus, was expressed in E.coli.
Form	Liquid. In Phosphate buffer saline(pH 7.4) containing 10% glycerol,
Molecular Mass	24.2 kDa (213aa)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMAGSRLE TVGSIFSRTTR DLVRAGVLKE

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KPLWFDVYDA FPPLREPVFQ RPRVRYGKAK APIQDIWYHE DRIRAKFYSV
 YGSGQRAFDL FNP NFKSTCQ RFVEKYTELQ KLGETDEEKL FVETGKALLA
 EGVILRRVGE ARTQHGGSHV SRKSEHLSVR PQTALEENET QKEVPQDQHL
 EAPADQSKGL LPP

Purity >85% by SDS - PAGE

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

Concentration 1mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name [MRPS23 mitochondrial ribosomal protein S23 \[Homo sapiens \]](#)

Official Symbol MRPS23

Synonyms MRPS23; mitochondrial ribosomal protein S23; MRP-S23;

Gene ID [64952](#)

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