

Recombinant Human MRPS23, His-tagged

Cat. No. MRPS23-28174TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length protein, corresponding to amino acids 1-190 of Human MRPS23 with N terminal His tag; MWt 30kDa.
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 (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. Among different species, the proteins comprising the mitoribosome differ greatly in sequence, and sometimes in biochemical properties, which prevents easy recognition by sequence homology. This gene encodes a 28S subunit protein. A pseudogene corresponding to this gene is found on chromosome 7p.
Conjugation	HIS
Form	Lyophilised:Reconstitute with 89 µl aqua dest.
Storage buffer	Preservative: NoneConstituents: 0.5% Trehalose, 6M Urea, 100mM Sodium

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	phosphate, 10mM Sodium chloride, pH 4.5
Storage	Shipped at 4°C. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	MAGSRLETVGSIFSRTDLVRAGVLKEKPLWFDVYDAFPP LREPVFQRPRVRYGKA KAPIQDIWYHEDRIRAKFYSVY GSGQRAFDLFNPNFKSTCQRFVEKYTELQKLGET DEEK LRVETGKALLAEGVILRRVGEARTQHGGSHVSRKSEHL SVRPQTALEENETQ KEVPQDQHLEAPADQSKGLLPP
Full Length	Full L.

GENE INFORMATION

Gene Name	MRPS23 mitochondrial ribosomal protein S23 [Homo sapiens]
Official Symbol	MRPS23
Synonyms	MRPS23; mitochondrial ribosomal protein S23; 28S ribosomal protein S23, mitochondrial; CGI 138; HSPC329; MRP S23;
Gene ID	51649
mRNA Refseq	NM_016070
Protein Refseq	NP_057154
MIM	611985
Uniprot ID	Q9Y3D9
Chromosome Location	17q22-q23

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Function	structural constituent of ribosome;
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