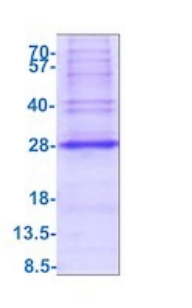
Full-Length

MRPS23 (Human) Recombinant Protein

Catalog # P7711 Size 500 ug

Applications



SDS-PAGE analysis of MRPS23 (Human) Recombinant Protein

Specification

Product Description	Human MRPS23 (NP_057154, 1 a.a. - 190 a.a) full-length recombinant protein with His tag expressed in *Escherichia coli*.
Sequence	MGSSHHHHHHSSGLVPRGSHMGSMAGSRLETVGSIFSRTRDLVRAGVLKEKPLWFDVYDAFPP LREPVFQRPRVRYGKAKAPIQDIWYHEDRIRAKFYSVYGSGQRAFDLFNPNFKSTCQRFVEKYTEL QKLGETDEEKLFVETGKALLAEGVILRRVGEARTQHGGSHVSRKSEHLSVRPQTALEENETQKE VPQDQHLEAPADQSKGLLPP
Host	Escherichia coli
Theoretical MW (kDa)	24.2
Form	Liquid
Preparation Method	*Escherichia coli* expression system
Concentration	1mg/mL
Purity	> 85% by SDS-PAGE
Quality Control Testing	3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain. SDS-PAGE analysis of MRPS23 (Human) Recombinant Protein

Recommend Usage	SDS-PAGE Denatured The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (10% glycerol).
Storage Instruction	Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- SDS-PAGE

Gene Info — MRPS23

Entrez GeneID	51649
Protein Accession#	Q9Y3D9
Gene Name	MRPS23
Gene Alias	CGI-138, HSPC329, MRP-S23
Gene Description	mitochondrial ribosomal protein S23
Gene Ontology	Hyperlink
Gene Summary	Mammalian mitochondrial ribosomal proteins are encoded by nuclear genes and help in protein s ynthesis within the mitochondrion. Mitochondrial ribosomes (mitoribosomes) consist of a small 28 S subunit and a large 39S subunit. They have an estimated 75% protein to rRNA composition co mpared to prokaryotic ribosomes, where this ratio is reversed. Another difference between mam malian mitoribosomes and prokaryotic ribosomes is that the latter contain a 5S rRNA. Among diff erent species, the proteins comprising the mitoribosome differ greatly in sequence, and sometim es 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 chromoso me 7p. [provided by RefSeq
Other Designations	-

Disease

- Tobacco Use Disorder