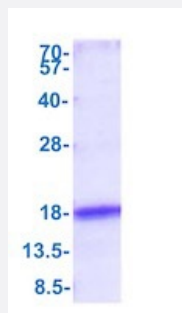


MRPL2 (Human) Recombinant Protein

Catalog # P7754

Size 500 ug

Applications



SDS-PAGE analysis of MRPL2 (Human) Recombinant Protein

Specification

Product Description	Human MRPL2 (NP_0570341, 82 a.a. - 202 a.a) partial recombinant protein with His tag expressed in <i>Escherichia coli</i> .
Sequence	MGSSHHHHHHSSGLVPRGSHMGSGRDHTGRIRVHGIGGGHKQRYRMIDFLRFRPEETKSGPFEE KVIQVRYDPCRSADIALVAGGSRKRWIATENMQAGDTILNSNHIGRMAVAAREGDAHPLGALPVG TLINNVESEPGR
Host	<i>Escherichia coli</i>
Theoretical MW (kDa)	15.5
Form	Liquid
Preparation Method	<i>Escherichia coli</i> expression system
Purity	> 90% by SDS-PAGE
Quality Control Testing	3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain. SDS-PAGE analysis of MRPL2 (Human) Recombinant Protein
Recommend Usage	SDS-PAGE The optimal working dilution should be determined by the end user.
Storage Buffer	In 20mM Phosphate buffer, pH8.0 (1mM EDTA,2mM DTT, 50% 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 — MRPL2

Entrez GeneID [51069](#)

Protein Accession# [Q5T653](#)

Gene Name MRPL2

Gene Alias CGI-22, MRP-L14, RPML14

Gene Description mitochondrial ribosomal protein L2

Gene Ontology [Hyperlink](#)

Gene Summary 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 39S subunit protein that belongs to the EcoL2 ribosomal protein family. A pseudogene corresponding to this gene is found on chromosome 12q. [provided by RefSeq]

Other Designations OTTHUMP00000016419