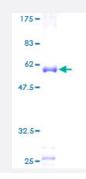


Full-Length

MRPS18B (Human) Recombinant Protein (P01)

Catalog # H00028973-P01 Size 25 ug, 10 ug

Applications



Specification	
Product Description	Human MRPS18B full-length ORF (AAH05373, 1 a.a 258 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MAASVLNTVLRRLPMLSLFRGSHRVQVPLQTLCTKAPSEEDSLSSVPISPYKDEPWKYLESEEYQ ERYGSRPVWADYRRNHKGGVPPQRTRKTCIRRNKVVGNPCPICRDHKLHVDFRNVKLLEQFVCA HTGIIFYAPYTGVCVKQHKRLTQAIQKARDHGLLIYHIPQVEPRDLDFSTSHGAVSATPPAPTLVSSD PWYPWYNWKQPPERELSRLRRLYQGHLQEESGPPPESMPKMPPRTPAEASSTGQTGPQSAL
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	54.12
Interspecies Antigen Sequence	Mouse (77); Rat (78)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCI, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.



Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — MRPS18B	
Entrez GenelD	<u>28973</u>
GeneBank Accession#	BC005373
Protein Accession#	<u>AAH05373</u>
Gene Name	MRPS18B
Gene Alias	C6orf14, DKFZp564H0223, HSPC183, HumanS18a, MRP-S18-2, MRPS18-2, PTD017, S18am t
Gene Description	mitochondrial ribosomal protein S18B
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 that belongs to the ribosomal protein S18P family. The encoded p rotein is one of three that has significant sequence similarity to bacterial S18 proteins. The primar y sequences of the three human mitochondrial S18 proteins are no more closely related to each o ther than they are to the prokaryotic S18 proteins. Pseudogenes corresponding to this gene are f ound on chromosomes 1q and 2q. [provided by RefSeq
Other Designations	OTTHUMP0000029404 mitochondrial ribosomal protein S18-2



Disease

- Genetic Predisposition to Disease
- Lupus Erythematosus