Recombinant Human MRPS14 Protein, GST-tagged

Cat. No. MRPS14-5602H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human MRPS14 full-length ORF (NP_071383.1, 1 a.a. - 128 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
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 that belongs to the ribosomal protein S14P family. [provided by RefSeq
Molecular Mass	41.5 kDa
AA Sequence	MAAFMLGSLLRTFKQMVPSSASGQVRSHYVDWRMWRDVKRRKMAYEYADERLRI NSLRKNTILPKILQDVADEEIAALPRDSCPVRIRNRCVMTSRPRGVKRRWRLSRIVFR HLADHGQLSGIQRATW
Applications	Enzyme-linked Immunoabsorbent Assay

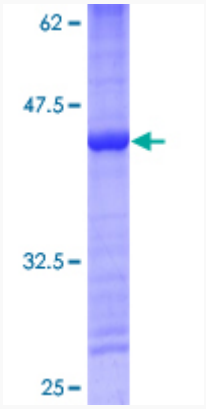
Tel: 1-631-559-9269 1-516-512-3133
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45-1 Ramsey Road, Shirley, NY 11967, USA

	Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	MRPS14 mitochondrial ribosomal protein S14 [Homo sapiens (human)]
Official Symbol	MRPS14
Synonyms	MRPS14; mitochondrial ribosomal protein S14; S14mt; MRP-S14; HSMRPS14; DJ262D12.2; 28S ribosomal protein S14, mitochondrial; mitochondrial 28S ribosomal protein S14; mitochondrial small ribosomal subunit protein uS14m; EC 3.6.5.3
Gene ID	63931
mRNA Refseq	NM_022100
Protein Refseq	NP_071383
MIM	611978
UniProt ID	O60783

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Quality Control Testing:	 12.5% SDS-PAGE Stained with Coomassie Blue.

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