

# Recombinant Full Length Human MRPS14 Protein, GST-tagged

**Cat. No.** MRPS14-6466HF    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Human MRPS14 full-length ORF ( NP_071383.1, 1 a.a. - 128 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>Protein Length</b>	128 amino acids
<b>Description</b>	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]
<b>Molecular Mass</b>	41.5 kDa
<b>AA Sequence</b>	MAAFMLGSLLRFTKQMVPSASGQVRSHYVDWRMWRDVKRRKMAYEYADERLRI NSLRKNTILPKILQDVADEEIAALPRDSCPVRIRNRCVMTSRPRGVKRRWRLSRIVFR HLADHGQLSGIQRATW

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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

## GENE INFORMATION

<b>Gene Name</b>	MRPS14 mitochondrial ribosomal protein S14 [ Homo sapiens (human) ]
<b>Official Symbol</b>	MRPS14
<b>Synonyms</b>	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
<b>Gene ID</b>	63931
<b>mRNA Refseq</b>	NM_022100
<b>Protein Refseq</b>	NP_071383
<b>MIM</b>	611978
<b>UniProt ID</b>	O60783

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