

Recombinant Human MRPS25 Protein, GST-tagged

Cat. No. MRPS25-5614H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human MRPS25 full-length ORF (AAH03590, 1 a.a. - 173 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. A pseudogene corresponding to this gene is found on chromosome 4. [provided by RefSeq]
Molecular Mass	44.77 kDa
AA Sequence	MPMKGRFPIRRTLQYLSQGNVVKDSVKVMTVNYNTHGELGEGARKFVFFNIPQIQ YKNPWVQIMMFKNMTPSPFLRFYLDSGEQVLVDVETKSNKEIMEHIRKILGKNEETL REEEEEKKQLSHPANFGPRKYCLRECICEVEGQVPCPSLVPLPKEMRGKYKAALKA DAQD

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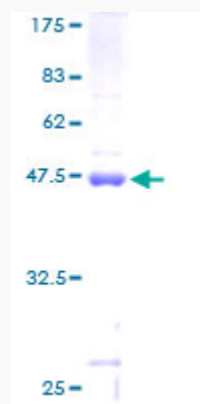
 45-1 Ramsey Road, Shirley, NY 11967, USA

Applications	Enzyme-linked Immunoabsorbent Assay 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	MRPS25 mitochondrial ribosomal protein S25 [Homo sapiens]
Official Symbol	MRPS25
Synonyms	MRPS25; mitochondrial ribosomal protein S25; MRP-S25;
Gene ID	64950

Quality Control Testing:



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12.5% SDS-PAGE Stained with Coomassie Blue.