

Recombinant Human MRPS7 Protein, GST-tagged

Cat. No. MRPS7-5626H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human MRPS7 full-length ORF (NP_057055.1, 1 a.a. - 242 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. In the prokaryotic ribosome, the comparable protein is thought to play an essential role in organizing the 3 domain of the 16 S rRNA in the vicinity of the P- and A-sites. Pseudogenes corresponding to this gene are found on chromosomes 8p and 12p. [provided by RefSeq
Molecular Mass	54.6 kDa
AA Sequence	MVAPAVKVARGWSGLALGVRRVLQLPGLTQVRWSRYSPEFKDPLIDKEYYRKPVE ELTEEEKYVRELKKTQLIKAAPAGKTSSVFEDPVISKFTNMMMIGGNKVLARSLMIQT

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LEAVKRKQFEKYHAASAEQATIERNPYTIFHQALKNCEPMIGLVPILKGGRFYQVPV
PLPDRRRRFLAMKWMITECRDKKHQRTLMPEKLSHKLLEAFHNQGPVIK RKHDLHK
MAEANRALAHYRWW

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

MRPS7 mitochondrial ribosomal protein S7 [Homo sapiens]

Official Symbol

MRPS7

Synonyms

MRPS7; mitochondrial ribosomal protein S7; RP-S7; RPMS7; MRP-S7;

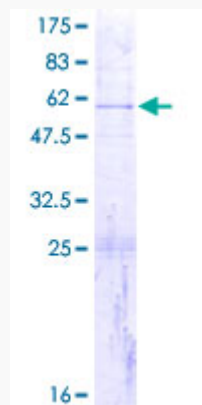
Gene ID

64967

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Quality Control**Testing:**

12.5% SDS-PAGE Stained with Coomassie Blue.

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