

Recombinant Full Length Human MRPS27 Protein, GST-tagged

Cat. No. MRPS27-6495HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human MRPS27 full-length ORF (AAH30521, 51 a.a. - 168 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	51-168 amino acids
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 may be a functional partner of the death associated protein 3 (DAP3). [provided by RefSeq
Molecular Mass	38.72 kDa
AA Sequence	SEEQSQNDEDNQGSEKLVEQLDIEETEQSKLPQYLERFKALHSKLQALGKIESEGLL SLTTQLVKEKLSTCEAEDIATYEQNLQQWHLDLVQLIQREQQQREQAKQEYQAQKA AKASA

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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	MRPS27 mitochondrial ribosomal protein S27 [Homo sapiens]
Official Symbol	MRPS27
Synonyms	MRPS27; mitochondrial ribosomal protein S27; 28S ribosomal protein S27, mitochondrial; KIAA0264; mitochondrial 28S ribosomal protein S27; S27mt; MRP-S27; FLJ21764; FLJ23348; FLJ38645;
Gene ID	23107
mRNA Refseq	NM_015084
Protein Refseq	NP_055899
MIM	611989
UniProt ID	Q92552

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