

Recombinant Full Length Human MRPS28 Protein, GST-tagged

Cat. No. MRPS28-6497HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human MRPS28 full-length ORF (NP_054737.1, 1 a.a. - 187 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	187 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 has been called mitochondrial ribosomal protein S35 in the literature. [provided by RefSeq
Molecular Mass	47.2 kDa
AA Sequence	MAALCRTRAVAAESHFLRVFLFFRPFRGVGTESGSESGSSNAKEPKTRAGGFASAL ERHSELLQKVEPLQKGSPKNVESFASMLRHSPLTQMGPAKDKLVIGRIFHIVENDLYI DFGGKFHCVCCRPEVDGEKYQKGTRVRLRLLDLELTSRFLGATTDTTVLEANAVLL

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	GIQESKDSRSKEEHHEK
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	MRPS28 mitochondrial ribosomal protein S28 [Homo sapiens]
Official Symbol	MRPS28
Synonyms	MRPS28; mitochondrial ribosomal protein S28; 28S ribosomal protein S28, mitochondrial; HSPC007; MRP S28; MRPS35; S28mt; S35mt; mitochondrial 28S ribosomal protein S35; 28S ribosomal protein S35, mitochondrial; MRP-S28; MRP-S35; FLJ22853;
Gene ID	28957
mRNA Refseq	NM_014018
Protein Refseq	NP_054737
MIM	611990

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UniProt ID

Q9Y2Q9

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