

Recombinant Human MRPS28 Protein, GST-tagged

Cat. No. MRPS28-5617H **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	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 that has been called mitochondrial ribosomal protein S35 in the literature. [provided by RefSeq]
Molecular Mass	47.2 kDa
AA Sequence	MAALCRTRAVAAESHFLRVFLFFRPFGRGVGTESGSESGSSNAKEPKTRAGGFASAL ERHSELLQKVEPLQKGSPKNVESFASMLRHSPLTQMGPAKDKLVIGRIFHIVENDLYI DFGGKFHCVCRRPEVDGEKYQKGTRVRLRLDLELTSRFLGATDDTTVLEANAVLL GIQESKDSRSKEEHHEK

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

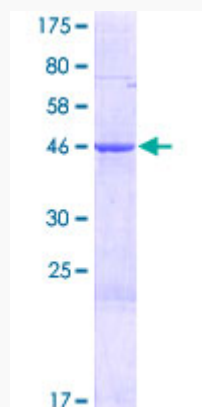
 45-1 Ramsey Road, Shirley, NY 11967, USA

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	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
UniProt ID	Q9Y2Q9

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Quality Control**Testing:**

12.5% SDS-PAGE Stained with Coomassie Blue.

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