

Recombinant Full Length Human MRPS26 Protein, GST-tagged

Cat. No. MRPS26-6492HF Lot. No. (See product label)

SPECIFICATION

Product Overview	Human MRPS26 full-length ORF (AAH13018.1, 1 a.a. - 205 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	471 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. This gene lies adjacent to and downstream of the gonadotropin-releasing hormone precursor gene. [provided by RefSeq]
Molecular Mass	48.95 kDa
AA Sequence	MLRALSRLGAGTPCRPRAPLVLPARGRKRHDPLAKSKIERNMPPAVDPAEFFVL MERYQHRYRQTVRALRMEFVSEVQRKVVHEARAGVLAERKALKDAAEHRELMAWNQ

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AENRRRLHELRIARLRQEEREQEQRQALEQARKAEEVQAWAQRKEREVLQLQEEVK
NFIITRENLEARVEAALDSRKNYNWAITREGLVVRPQRRDS

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	MRPS26 mitochondrial ribosomal protein S26 [Homo sapiens]
Official Symbol	MRPS26
Synonyms	MRPS26; mitochondrial ribosomal protein S26; C20orf193, chromosome 20 open reading frame 193; 28S ribosomal protein S26, mitochondrial; dJ534B8.3; MRP S13; MRP S26; RPMS13; S13mt; S26mt; 28S ribosomal protein S13, mitochondrial; serologically defined breast cancer antigen NY-BR-87; GI008; MRPS13; MRP-S13; MRP-S26; NY-BR-87; C20orf193;
Gene ID	64949
mRNA Refseq	NM_030811
Protein Refseq	NP_110438

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MIM	611988
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UniProt ID	Q9BYN8
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