

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	MLRALSRLGAGTPCRPRAPLVLPARGRKTRHDPLAKSKIERNMPPAVDPAEFFVL MERYQHRYRQTVRALRMEFVSEVQRKVHEARAGVLAERKALKDAAEHRELMAWNQ

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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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