

Recombinant Human MRPS26 Protein, GST-tagged

Cat. No. MRPS26-5615H **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	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. 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 MERYQHRYQTVRALRMEFVSEVQRKVHEARAGVLAERKALKDAAEHRELMAWNQ AENRRLHELRIARLRQEEREQEQRQALEQARKAAEEVQAWAQRKEREVLQLQEEVK

 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

NFITRENLEARVEAALDSRKNYNWAITREGLVVRPQRRDS

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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