

Recombinant Full Length Human MRPL28 Protein, GST-tagged

Cat. No. MRPL28-6435HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human MRPL28 full-length ORF (NP_006419.2, 1 a.a. - 256 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	256 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 39S subunit protein, a part of which was originally isolated by its ability to recognize tyrosinase in an HLA-A24-restricted fashion. [provided by RefSeq]
Molecular Mass	56.6 kDa
AA Sequence	MPLHKYPVWLWKRLQLREGICSR L P G H Y L R S L E E E R T P T P V H Y R P H G A K F K I N P K N G Q R E R V E D V P I P I Y F P P E S Q R G L W G G E G W I L G Q I Y A N N D K L S K R L K K V W K P Q L F E R

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EFYSEILDKKFTVTVTMRTLDEAYGLDFYILKTPKEDLCSKFGMDLKRGMLLRLAR
QDPQLHPEDPERRAAIYDKYKEFAIPEEEAEWVGLTLEEAIKQRLLEEKDPVPLFKI
YVAELIQQQLQQALSEPAVVQKRASGQ

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

MRPL28 mitochondrial ribosomal protein L28 [Homo sapiens]

Official Symbol

MRPL28

Synonyms

MRPL28; mitochondrial ribosomal protein L28; MAAT1, melanoma associated antigen recognised by cytotoxic T lymphocytes; 39S ribosomal protein L28, mitochondrial; p15; L28mt; MRP-L28; melanoma antigen p15; melanoma-associated antigen recognized by T lymphocytes; melanoma-associated antigen recognized by T-lymphocytes; melanoma-associated antigen recognised by cytotoxic T lymphocytes; MAAT1; MGC8499;

Gene ID

10573

mRNA Refseq

NM_006428

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Protein Refseq	NP_006419
MIM	604853
UniProt ID	Q13084

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