

Recombinant Human MRPL28 Protein, GST-tagged

Cat. No. MRPL28-5571H **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	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 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	MPLHKYPVWLWKRLQLREGICSRLPGHYLRSLLEEERTPTPVHYRPHGAKFKINPKN GQRRVEDVPIPIYFPPESQRGLWGGEGWILGQIYANNDKLSKRLKKVWKPQLFER EFYSEILDKKFTVTVTMRTLDEAYGLDFYILKTPKEDLCSKFGMDLKRGMLLRLAR

 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

QDPQLHPEDPERRAAIYDKYKEFAIPEEEAEWVGLTLEEAIKQRLLEEKDPVPLFKI
YVAELIQQLQQQALSEPAVVQKRASGQ

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

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

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

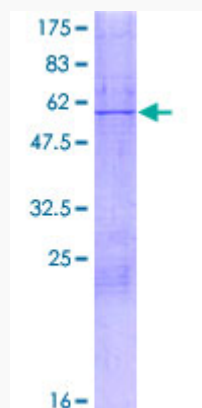
 45-1 Ramsey Road, Shirley, NY 11967, USA

Protein Refseq NP_006419

MIM 604853

UniProt ID Q13084

**Quality Control
Testing:**



12.5% SDS-PAGE Stained with Coomassie Blue.

 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