

Recombinant Human Mitochondrial Ribosomal Protein L28, T7-tagged

Cat. No. MRPL28-3024H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MRPL28 protein was expressed in E.coli with T7-tag at the N-terminus. The molecular weight is 52114 Da.
Species	Human
Source	E.coli
Description	Mitochondrial ribosomal protein L28 is a protein that in humans is encoded by the MRPL28 gene. 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.
Sequences of amino acids	1-128 aa
Formulation	10 mM Tris. pH 8.0. 0.1% Triton X-100. 0.002% NaN ₃ .

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Purity 95%

GENE INFORMATION

Gene Name MRPL28 mitochondrial ribosomal protein L28 [Homo sapiens]

Synonyms p15; MAAT1; MGC8499; 39S ribosomal protein L28, mitochondrial; MRP-L28; OTTHUMP00000067338; OTTHUMP00000194920; melanoma-associated antigen recognized by T lymphocytes; OTTHUMP00000194921; OTTHUMP00000194923; melanoma antigen p15; melanoma-associated antigen recognised by cytotoxic T lymphocytes; L28mt

Gene ID 10573

mRNA Refseq NM_006428

Protein Refseq NP_006419

MIM 604853

UniProt ID Q13084

Chromosome Location 16p13.3

Function structural constituent of ribosome; contributes_to translation regulator activity

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