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# MRPL28 Human

*Mitochondrial Ribosomal Protein L28 Human Recombinant*
*RCP1398*

## Product Overview

| | |
|---|---|
| Name | MRPL28 Human |

**Description**

Mitochondrial Ribosomal Protein L28 Human Recombinant

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| Accession (Primary) | Q13084 |

**Synonyms**

MAAT1, p15, 39S ribosomal protein L28, mitochondrial, L28mt, MRP-L28, Melanoma-associated antigen recognized by T-lymphocytes.

**Introduction**

MRPL28 is found in a variety of normal tissues such as spleen, testis, thymus, liver, kidney, brain, adrenal, lung and retinal tissue. 39S ribosomal protein L28, mitochondrial (MRPL28), is a part of the ribosomal protein L28P family. Mammalian mitochondrial ribosomal proteins encoded by nuclear genes and helps in protein synthesis within the mitochondrion. Mitochondrial ribosomes (mitoribosomes) consist of a small 28S subunit and a large 39S subunit. MRPL28 is an important therapeutic reagent for HLA-A24 (A24) patients since this antigen is distinguished by tumor-infiltrating lymphocyte (TIL) 1290, which targets the A24 serotype.

**Source**

E.coli.

**Physical Appearance**

Sterile Filtered colorless solution.

**Formulation**

The MRPL28 solution (1mg/1ml) contains 20mM Tris-HCl buffer (pH 8.5), 0.1M NaCl, 10% glycerol and 1mM DTT.

**Stability**

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

**Purity**

Greater than 95% as determined by SDS-PAGE.

**Amino acid sequence**

MGSSHHHHHH SSGLVPRGSH M NGQRERVED VPIPIYFPPE SQRGLWGGEG WILGQIYANN DKLSKRLKKV WKPQLFEREF YSEILDKKFT VTVTMRTLDL IDEAYGLDFY ILKTPKEDLC SKFGMDLKRG MLLRLARQDP

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QLHPEDPERR AAIYDKYKEF AIPEEEAEWV GLTLEEAIEK QRLLEEKDPV PLFKIYVAEL IQQLQQQALS EPAVVQKRAS GQ.

**Precautions**

MRPL28 Human is for research use only and not for use in diagnostic or therapeutic procedures.

## Target Information: ( Q13084 )