

AR50626PU-S

Human MRPL28 (56-256, His-tag) - Purified

Alternate names:

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

Quantity:

50 µg

Concentration:

1 mg/ml (determined by Bradford assay)

Background:

MRPL28, also as known as 39S ribosomal protein L28, mitochondrial, is a mitochondrial protein that belongs to the ribosomal protein L28P family. 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. MRPL28 potentially represents an important therapeutic reagent for HLA-A24 (A24) patients as this antigen is recognized by tumor-infiltrating lymphocyte (TIL) 1290, which targets the A24 serotype. This protein is found in a variety of normal tissues including spleen, testis, thymus, liver, kidney, brain, adrenal, lung and retinal tissue.

Uniprot ID:

[Q13084](#)

NCBI:

[NP_006419](#)

GenelD:

[10573](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >95% by SDS - PAGE

Buffer System: 20 mM Tris-HCl buffer (pH 8.5) containing 0.1M NaCl, 10% glycerol, 1mM DTT

Description:

Recombinant human MRPL28 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

AA Sequence:

MGSSHHHHHH SSGLVPRGSH MNGQRRVED VPIPIYFPPE SQRGLWGEG WILGQIYANN
DKLSKRLKKV WKPQLFEREF YSEILDKKFT VVTMRTL DL IDEAYGLDFY ILKTPKEDLC
SKFGMDLKRQ MLLRLARQDP QLHPEDPERR AAIYDKYKEF AIPEEEAEWV GLTLEEAIK
QRLLEEKDPV PLFKIYVAEL IQQLQQQALS EPAVVQKRAS GQ

Molecular weight: 25.8 kDa (222aa) confirmed by MALDI-TOF

Storage:

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.

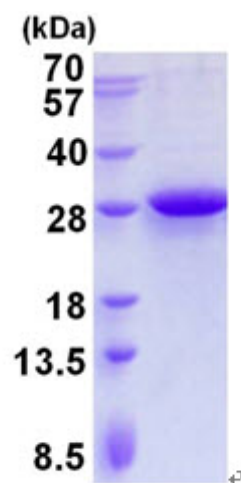
Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

General Readings:

Koc EC, et al. (2001) J Biol Chem 276 (47): 43958–69. Kawakami, Y., et al. (2000) J. Immunother. 23: 17-27.

Pictures:



15% SDS-PAGE (3ug)