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AR50626PU-N 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: 0.25 mg

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

GeneID: 10573

Species: Human

Source: E. coli

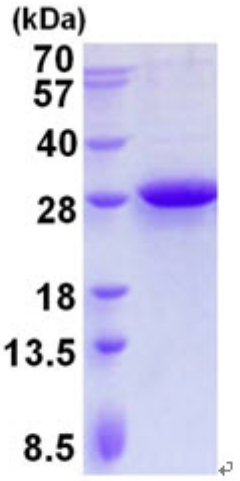
Format:
State: Liquid purified protein
Purity: >95% by SDS - PAGE
Buffer System: 20 mM Tris-HCl buffer (pH 8.5) containing 0.1M NaCl, 10% glycerol, 1mM DTT

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 MNGQRERVED VPIPIYFPPE SQRGLWGGEG WILGQIYANN
DKLSKRLKKV WKPQLFEREF YSEILDKKFT VTVTMRTLDL IDEAYGLDFY ILKTPKEDLC
SKFGMDLKRG MLLRLARQDP QLHPEDPERR AAIYDKYKEF AIPEEEAEWV GLTLEEAIEK
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)