

**MRPL28, 56-256aa, Human, His tag, E.coli**

**Cat.NO.: TP03024**

3th Edition

**Synonyms:**39S ribosomal protein L28, mitochondrial, MAAT1, p15

**Description:**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.

**Form:**Liquid. In 20mM Tris-HCl buffer (pH 8.5) containing 0.1M NaCl, 10% glycerol, 1mM DTT

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

**Sequences:**

MGSSHHHHHSSGLVPRGSHMNGQRERVEDVPIPIYFPPESQRGLWGGEGWILGQIYANNDKLSKRLKKVWKPQ  
LFEREFYSEILDKKFTVTVMRTLIDLIDEAYGLDFYILKTPKEDLCSKFGMDLKRGMMLRLARQDPQLHPEDPERRAA  
IYDKYKEFAIPEEEAEWVGLTLEEAIKQRLLEEKDPVPLFKIYVAELIQQQLQQQALSEPAVVQKRASGQ

**Purity:**> 95% by HPLC

**Concentration:**1 mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.