

Product datasheet for **AR50626PU-S**

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

Product data:

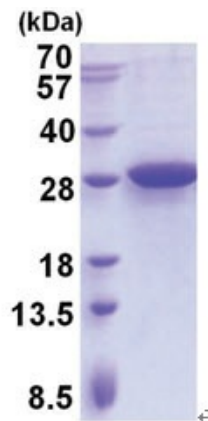
Product Type:	Recombinant Proteins
Description:	MRPL28 (56-256, His-tag) human recombinant protein, 50 µg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MNGQRERVED VPIPIYFPPE SQRGLWGEG WILGQIYANN DKLSKRLKKV WKPQLFEREF YSEILDKKFT VTVTMRTL DL IDEAYGLDFY ILKTPKEDLC SKFGMDLKRGM LLLRLARQDP QLHPEDPERR AAIYDKYKEF AIPEEEAEWV GLTLEEAI EK QRLLEEKDPV PLFKIYVAEL IQQLQQALS EPAVQKRAS GQ
Tag:	His-tag
Predicted MW:	25.8 kDa
Concentration:	lot specific
Purity:	>95% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.5) containing 0.1M NaCl, 10% glycerol, 1 mM DTT
Preparation:	Liquid purified protein
Protein Description:	Recombinant human MRPL28 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
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.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_006419
Locus ID:	10573
UniProt ID:	Q13084
Cytogenetics:	16p13.3
Synonyms:	MAAT1; p15



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Summary:

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. [provided by RefSeq, Jul 2008]

Product images:

15% SDS-PAGE (3ug)