

Product datasheet for TP301794L

OriGene Technologies, Inc.

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MRPL28 (NM_006428) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human mitochondrial ribosomal protein L28 (MRPL28), nuclear gene

encoding mitochondrial protein, 1 mg

Species: Human
Expression Host: HEK293T

Expression cDNA Clone >RC201794 protein sequence or AA Sequence: Red=Cloning site Green=Tags(s)

MPLHKYPVWLWKRLQLREGICSRLPGHYLRSLEEERTPTPVHYRPHGAKFKINPKNGQRERVEDVPIPIY FPPESQRGLWGGEGWILGQIYANNDKLSKRLKKVWKPQLFEREFYSEILDKKFTVTVTMRTLDLIDEAYG LDFYILKTPKEDLCSKFGMDLKRGMLLRLARQDPQLHPEDPERRAAIYDKYKEFAIPEEEAEWVGLTLEE

AIEKQRLLEEKDPVPLFKIYVAELIQQLQQQALSEPAVVQKRASGQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 30 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by

conventional chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience

some loss of protein during the filtration process.

Storage: Store at -80°C.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and

handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: NP 006419

Locus ID: 10573





UniProt ID: Q13084 RefSeq Size: 1161 Cytogenetics: 16p13.3 RefSeq ORF: 768

Synonyms: MAAT1; p15

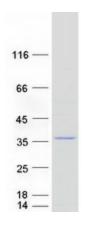
Summary: Mammalian mitochondrial ribosomal proteins are encoded by nuclear genes and help in

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:



Coomassie blue staining of purified MRPL28 protein (Cat# [TP301794]). The protein was produced from HEK293T cells transfected with MRPL28 cDNA clone (Cat# [RC201794]) using MegaTran 2.0 (Cat# [TT210002]).