

Datasheet for ABIN2726358
MRPL44 Protein (His tag)



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1 Image

Overview

Quantity:	50 µg
Target:	MRPL44
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This MRPL44 protein is labelled with His tag.
Application:	Antibody Production (AbP), Standard (STD)

Product Details

Characteristics:	<ul style="list-style-type: none"> • Recombinant human MRPL44 (full length, N-term HIS tag) protein expressed in E. coli. • Produced with end-sequenced ORF clone
Purity:	> 80 % as determined by SDS-PAGE and Coomassie blue staining

Target Details

Target:	MRPL44
Alternative Name:	Mrpl44 (MRPL44 Products)
Background:	<p>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</p>

Target Details

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.

Molecular Weight: 37.4 kDa

NCBI Accession: [NP_075066](#)

Application Details

Application Notes: Recombinant human proteins can be used for:
Native antigens for optimized antibody production
Positive controls in ELISA and other antibody assays

Comment: The tag is located at the N-terminal.

Restrictions: For Research Use only

Handling

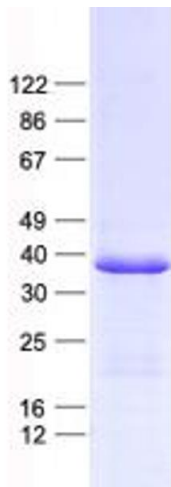
Concentration: 50 µg/mL

Buffer: 50 mM Tris, 8M Urea, pH 8.0.

Storage: -80 °C

Storage Comment: Store at -80°C. Thaw on ice, aliquot to individual single-use tubes, and then re-freeze immediately. Only 2-3 freeze thaw cycles are recommended.

Images



Western Blotting

Image 1. Validation with Western Blot