

Datasheet for ABIN7551667

MRPS27 Protein (AA 1-414) (His tag)[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	MRPS27
Protein Characteristics:	AA 1-414
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MRPS27 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant MRPS27 Protein expressed in mammalian cells.
Sequence:	MAASIVRRGM LLARQVLPQ LSPAGKRYLL SSAYVDSHKW EAREKEHYCL ADLASLMDKT FERKLPVSSL TISRLIDNIS SREEIDHA EY YLYKFRHSPN CWYLRNWTIH TWIRQCLKYD AQDKALYTLV NKVQYGIFPD NFTFNLLMDS FIKKENYKDA LSVVFEVMMQ EAFEVPSTQL LSLYVLFHCL AKKTDFSWEE ERNFGASLLL PGLKQKNSVG FSSQLYGYAL LGKVELQQGL RAVYHNMP LI WKP GYLDRAL QVMEKVAASP EDIKLCREAL DVLGAVLKAL TSADGASEEQ SQNDEDNQGS EKLVEQLDIE ETEQSKLPQY LERFKALHSK LQALGKIESE GLLSLTTQLV KEKLSTCEAE DIATYEQNLQ QWHLDLVQLI QREQQQREQA KQEYQAQKAA KASA Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

Product Details

Characteristics:

Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:

> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade:

custom-made

Target Details

Target:

MRPS27

Alternative Name:

MRPS27 ([MRPS27 Products](#))

Background:

Small ribosomal subunit protein mS27 (28S ribosomal protein S27, mitochondrial) (MRP-S27) (S27mt) (Mitochondrial ribosomal protein S27),FUNCTION: RNA-binding component of the mitochondrial small ribosomal subunit (mt-SSU) that plays a role in mitochondrial protein synthesis (PubMed:22841715). Stimulates mitochondrial mRNA translation of subunit components of the mitochondrial electron transport chain (PubMed:22841715). Binds to the mitochondrial 12S rRNA (12S mt-rRNA) and tRNA(Glu) (PubMed:22841715). Involved also in positive regulation of cell proliferation and tumor cell growth (PubMed:28714366). {ECO:0000269|PubMed:22841715, ECO:0000269|PubMed:28714366}.

Molecular Weight:

47.6 kDa

UniProt:

[Q92552](#)

Pathways:

[SARS-CoV-2 Protein Interactome](#)

Application Details

Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months
