

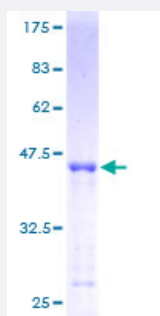
Full-Length

MRPS27 (Human) Recombinant Protein (P01)

Catalog # H00023107-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human MRPS27 full-length ORF (AAH30521, 51 a.a. - 168 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	SEEQSQNDEDNQGSEKLVEQLDIEETEQSKLPQYLERFKALHSKLQALGKIESEGLLSLTTQLVK EKLSTCEAEDIATYEQNLQQWHLDLVQLIQREQQREQAKQEYQAQKAASAKASA
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	38.72
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — MRPS27

Entrez GeneID [23107](#)

GeneBank Accession# [BC030521](#)

Protein Accession# [AAH30521](#)

Gene Name MRPS27

Gene Alias FLJ21764, FLJ23348, KIAA0264, MRP-S27, S27mt

Gene Description mitochondrial ribosomal protein S27

Gene Ontology [Hyperlink](#)

Gene 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 28S subunit protein that may be a functional partner of the death associated protein 3 (DAP3). [provided by RefSeq]

Other Designations mitochondrial 28S ribosomal protein S27