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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

MRPS10 (Human) Recombinant Protein (P01)

Catalog Number: H00055173-P01

Regulation Status: For research use only (RUO)

Product Description: Human MRPS10 full-length ORF (NP_060611.2, 1 a.a. - 201 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MAARTAFGAVCRRLWQGLGNFSVNTSKGNTAKNGGL
LLSTNMKWWQFSNLHVDVPKDLTKPVVTISDEPDILYK
RLSVLVKGDHKAFLDSYEFVAVLAAKELGISIKVHEPPR
KIERFTLLQSVHIYKKHRVQYEMRTLYRCLLEHLTGS
TADVYLEYIQRNLPEGVAMEVTKTQLEQLPEHIKEPIW
ETLSEEKEESKS

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 49.4

Interspecies Antigen Sequence: Mouse (81); Rat (87)

Applications: AP, Array, ELISA, WB-Re
(See our web site product page for detailed applications information)

Protocols: See our web site at
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Preparation Method: [in vitro wheat germ expression system](#)

Purification: Glutathione Sepharose 4 Fast Flow

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.

Entrez GeneID: 55173

Gene Symbol: MRPS10

Gene Alias: FLJ10567, MRP-S10, PNAS-122

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 belongs to the ribosomal protein S10P family. Pseudogenes corresponding to this gene are found on chromosomes 1q, 3p, and 9p. [provided by RefSeq]