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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

MRPS33 (Human) Recombinant Protein (P01)

Catalog Number: H00051650-P01

Regulation Status: For research use only (RUO)

Product Description: Human MRPS33 full-length ORF (NP_057155.1, 1 a.a. - 106 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MSSLSEYAFRMSRLSARLFGVTRPTNSKSMKVVKLF
SELPLAKKKETYDWYPNHHTYAELMQTLRFLGLYRDE
HQDFMDEQKRLKLRGKEPKKGEGKRAAKRK

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 39

Interspecies Antigen Sequence: Mouse (82); Rat (84)

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: 51650

Gene Symbol: MRPS33

Gene Alias: CGI-139, FLJ21123, MRP-S33, PTD003

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. The 28S subunit of the mammalian mitoribosome may play a crucial and characteristic role in translation initiation. This gene encodes a 28S subunit protein that is one of the more highly conserved mitochondrial ribosomal proteins among mammals, *Drosophila* and *C. elegans*. Splice variants that differ in the 5' UTR have been found for this gene; all variants encode the same protein. Pseudogenes corresponding to this gene are found on chromosomes 1q, 4p, 4q, and 20q [provided by RefSeq]