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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

MRPS31 (Human) Recombinant Protein (P01)

Catalog Number: H00010240-P01

Regulation Status: For research use only (RUO)

Product Description: Human MRPS31 full-length ORF (AAH22045.1, 1 a.a. - 395 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MFPRVSTFLPLRPLSRHPLSSGSPETSAAAIMLLTVRH
GTVRYRSSLARTKNNIQRYFGTNSVICSKKDKQSVR
TEEISKETSESQDSEKENTKKDLLGIKGMKVELSTVNV
RTTKPPKRRPLKSLEAALGRLRRATEYAPKKRIEPLSP
ELVAAASAVADSLPFDKQTTKSELLSQLQQHEEESRA
QRDAKRPKISFSNIISDMKVARVRSRPELRIQFD
EGYDNYPGQEKTDLLKRRKNIFTGKRLNIFDMMAVTK
EAPETDTSPSLWDVEFAKQLATVNEQPLQNGFEELIQ
WTKEGKLWEFPINNEAGFDDDGSEFHEHIFLEKHLES
FPKQGPPIRHFMELVTCGLSKNPYLSVKQKVEHIEWFR
NYFNEKKDILKESNIQFN

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 71.7

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: 10240

Gene Symbol: MRPS31

Gene Alias: IMOGN38, MRP-S31, S31mt

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 has also been associated with type 1 diabetes; however, its relationship to the etiology of this disease remains to be clarified. Pseudogenes corresponding to this gene have been found on chromosomes 3 and 13. [provided by RefSeq]