



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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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  
EGYDNYPGQEKTDLLKRNIFTGKRLNIFDMMAVTK  
EAPETDTSPSLWDVEFAKQLATVNEQPLQNGFEELIQ  
WTKEGKLWEFPINNEAGFDDDGSEFHEHIFLEKHLES  
FPKQGPPIRHFMELVTCGLSKNPYLSVKQKVEHIEWFR  
NYFNEKKDILKESNIQFN

**Host:** Wheat Germ (in vitro)

**Theoretical MW (kDa):** 71.7

**Interspecies Antigen Sequence:** Mouse (64); Rat (65)

**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]