



# 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

### MRPL38 (Human) Recombinant Protein (P01)

**Catalog Number:** H00064978-P01

**Regulation Status:** For research use only (RUO)

**Product Description:** Human MRPL38 full-length ORF (NP\_115867.1, 1 a.a. - 346 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

MPNSDIDLSNLERLEKYRSFDRYRRRAEQEAQAPHW  
WRTYREYFGEKTDPKKEKIDIGLPPPKVSRTQQLLERKQ  
AIQELRANVEEERAARLRTASVPLDAVRAEWERTCGP  
YHKQRLAEYYGLYRDLFHGATFVPRVPLHVAYAVGED  
DLMPVYCGNEVTPTEAAQAPEVTYEAEEGSLWTLTLLT  
SLDGHLLEPDAEYLHWLLTNIPGNRVAEGQVTCPYLP  
PFPARGSGIHRLAFLLFKQDQPIDFSEDARSPCYQLA  
QRTFRTDFYKKHQETMTPAGLSFFQCRWDDSVTYIF  
HQLLDMREPVFEFVRPPPYHPKQKRFPHRQPLRYLDR  
YRDSHEPTYGIY

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

**Theoretical MW (kDa):** 67.2

**Interspecies Antigen Sequence:** Mouse (87); Rat (86)

**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:** 64978

**Gene Symbol:** MRPL38

**Gene Alias:** HSPC262, MGC4810, MRP-L3, RPML3

**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 39S subunit protein. [provided by RefSeq]