



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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## Datasheet

### MRPS7 (Human) Recombinant Protein (P01)

bMRP27a

**Catalog Number:** H00051081-P01**Regulation Status:** For research use only (RUO)**Product Description:** Human MRPS7 full-length ORF ( NP\_057055.1, 1 a.a. - 242 a.a.) recombinant protein with GST-tag at N-terminal.**Sequence:**MVAPAVKVARGW SGLALGVRRRAVLQLPGLTQVRWSR  
YSPEFKDPLIDKEYYRKPVEELTEEEKYVRELKKTQLIK  
AAPAGKTSSVFEDPVISKFTNMMMIGGNKVLARSLMIQ  
TLEAVKRKQFEKYHAASAEQATIERNPYTIFHQALKN  
CEPMIGLVPILKGRFYQVPVPLPDRRRRFLAMKWMIT  
ECRDKKHQRTLMPKLSHKLLEAFHNQGPVIK RKHDL  
HKMAEANRALAHYRWW**Host:** Wheat Germ (in vitro)**Theoretical MW (kDa):** 54.6**Interspecies Antigen Sequence:** Mouse (84); 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:** 51081**Gene Symbol:** MRPS7**Gene Alias:** MRP-S, MRP-S7, RP-S7, RPMS7, S7mt,

**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. In the prokaryotic ribosome, the comparable protein is thought to play an essential role in organizing the 3' domain of the 16 S rRNA in the vicinity of the P- and A-sites. Pseudogenes corresponding to this gene are found on chromosomes 8p and 12p. [provided by RefSeq]