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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

Datasheet

MRPL22 (Human) Recombinant Protein (P01)

Catalog Number: H00029093-P01

Regulation Status: For research use only (RUO)

Product Description: Human MRPL22 full-length ORF (AAH12565, 1 a.a. - 206 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MAAAVLGQLGALWIHNLRSGKLALGVLPQSYIHSTAS
LDISRKWEKKNKIVYPPQLPGEPRRPAEIIYHCRRQIKY
SKDKMWYLAKLIRGMSIDQALAQLEFNDKKGAKIIKEVL
LEAQDMAVRDHNVEFRSNLYIAESTSGRGQCLKRIRY
HGRGRFGIMEKVYCHYFVKLVEGPPPPPEPKTAVAH
AKECIQQLRSRTIVHTL

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 48.40

Interspecies Antigen Sequence: Mouse (89); Rat (89)

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: 29093

Gene Symbol: MRPL22

Gene Alias: DKFZp781F1071, HSPC158, L22mt, MRP-L22, MRP-L25, RPML25

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 that belongs to the L22 ribosomal protein family. A pseudogene corresponding to this gene is found on chromosome 4q. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]