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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

MRPL24 (Human) Recombinant Protein (P01)

Catalog Number: H00079590-P01

Regulation Status: For research use only (RUO)

Product Description: Human MRPL24 full-length ORF (NP_078816.2, 1 a.a. - 216 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MRLSALLALASKVTLPPHYRYGMSPPGSVADKRKNPP
WIRRRPVVVEPISDEDWYLF CGDTVEILEGKDAGKQG
KVVQVIRQRNWVVVGG L NTHYRYIGKTM DYRGTMIPS
EAPLLHRQVKLVDPMDRKPTEIEWRFTEAGERVRVST
RSGRIIPKPEFPRADGIVPETWIDGPKDTSVEDALERTY
VPCLKTLQEEVMEAMGIKETRKYKKVYWY

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 51.3

Interspecies Antigen Sequence: Mouse (87); Rat (88)

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: 79590

Gene Symbol: MRPL24

Gene Alias: FLJ20917, L24mt, MGC22737, MGC9831, MRP-L18, MRP-L24

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 which is more than twice the size of its E.coli counterpart (EcoL24). Sequence analysis identified two transcript variants that encode the same protein. [provided by RefSeq]