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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

MAT1A (Human) Recombinant Protein (P01)

Catalog Number: H00004143-P01

Regulation Status: For research use only (RUO)

Product Description: Human MAT1A full-length ORF (AAH18359, 1 a.a. - 395 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MNGPVDGLCDHSLSEGVMFTSESVGEGHPDKICDQI
SDAVLDAHLKQDPNAKVACETVCKTGMVLLCGEITSM
AMVDYQRRVVRTIKHIGYDDSAKGFDFKTCNVLVALE
QQSPDIAQCVHLDRNEEDVGAGDQGLMFGYATDETE
ECMPLTIILAHKLNARMADLRRSGLLPWLRPDSKTQVT
VQYMQDNGAVIPVRIHTIVISVQHNEEDITLEEMRRALKE
QVIRAVVPAKYLDEDTVYHLQPSGRFVIGGPQGDAGV
TGRKIIVDTYGGWGAHGGGAFSGKDYTKVDRSAAYAA
RWWAKSLVKAGLCRRVLVQVSYAIGVAEPLSISIFTYGT
SQKTERELLDVVHKNFDLRPGVIVRDLDLKKPIYQKTA
CYGHFGRSEFPWEVPRKLVF

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 69.19

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: 4143

Gene Symbol: MAT1A

Gene Alias: MAT, MATA1, SAMS, SAMS1

Gene Summary: This gene catalyzes a two-step reaction that involves the transfer of the adenosyl moiety of ATP to methionine to form S-adenosylmethionine and triphosphosphate, which is subsequently cleaved to P_{PPi} and P_i. S-adenosylmethionine is the source of methyl groups for most biological methylations. The encoded protein is found as a homotetramer (MAT I) or a homodimer (MAT III) whereas a third form, MAT II (gamma), is encoded by the MAT2A gene. Mutations in this gene are associated with methionine adenosyltransferase deficiency. [provided by RefSeq]