



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

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

SHMT1 (Human) Recombinant Protein (P01)

Catalog Number: H00006470-P01

Regulation Status: For research use only (RUO)

Product Description: Human SHMT1 full-length ORF (NP_004160.3, 1 a.a. - 483 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MTMPVNGAHKDADLWSSHDKMLAQPLKDSDEVYNI
KKESNRQRVGLIELIASENFASRAVLEALGSLNKKYSE
GYPGQRYGGTEFIDELETLQCKRALQAYKLDPQCW
GVNVQPYSGSPANFAVYALVEPHGRIMGLDLPDGGH
LTHGFMTDKKKISATSIFFESMPYKVNPDYGYNYDQL
EENARLFHPKLIAGTSCYSRNLEYARLRKIADENGAYL
MADMAHISGLVAAGVVPSPFEHCHVVTTHKTLRGC
RAGMIFYRKGVKSVDPKTGKEILYNLESLINSAVFPGL
QGGPHNHAIAAGVAVALKQAMTLEFKVYQHQQVANC
ALSEALTELGKIVTGGSDNHLILVLRSGTDGGRAE
KVLEACSIACNKNTCPGDRSALRPSGLRLGTPALTSR
GLLEKDFQKVAHFHRIELTLQIQSDTGVRATLKEFKE
RLAGDKYQAAVQALREEVESFASLFPLPGLPDF

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 79.5

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: 6470

Gene Symbol: SHMT1

Gene Alias: CSHMT, MGC15229, MGC24556, SHMT

Gene Summary: This gene encodes the cellular form of serine hydroxymethyltransferase, a pyridoxal phosphate-containing enzyme that catalyzes the reversible conversion of serine and tetrahydrofolate to glycine and 5,10-methylene tetrahydrofolate. This reaction provides one carbon units for synthesis of methionine, thymidylate, and purines in the cytoplasm. This gene is located within the Smith-Magenis syndrome region on chromosome 17. Alternative splicing of this gene results in 2 transcript variants encoding 2 different isoforms. Additional transcript variants have been described, but their biological validity has not been determined. [provided by RefSeq]