



# 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

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## Datasheet

### MGAT1 (Human) Recombinant Protein (P01)

**Catalog Number:** H00004245-P01

**Regulation Status:** For research use only (RUO)

**Product Description:** Human MGAT1 full-length ORF ( NP\_002397.1, 1 a.a. - 445 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

```
MLKKQSAGLVLWGAILFVAWNALLLFFWTRPAPGRP
PSVSALDGDPAASLTREVIRLAQDAEVELERQRGLLQQI
GDALSSQRGRVPTAAPPAQPRVPVTPAPAVIPILVIAC
DRSTVRRCLDKLLHYRPSAELFPIIVSQDCGHEETAQAI
ASYGSAVTHIRQPDLSIAVPPDHRKFQGYKIHRYR
WALGQVFRQFRFPAAVVVEDDLEVPDFFEYFRATYP
LLKADPSLWCVSAWNDNGKEQMVDASRPELLYRTDF
FPGLGWLLAELWAELEPKWPKAFWDDWMRPEQR
QGRACIRPEISRTMTFGRKGVSHGQFFDQHLKFIKLNQ
QFVHFTQLDLSYLQREAYDRDFLARVYGAPQLQVEKV
RTNDRKELGEVRVQYTGRDSFKAFKALGVMDDLKS
GVPRAGYRGIVTFQFRGRRVHLAPPPTWEGYDPSWN
```

**Host:** Wheat Germ (in vitro)

**Theoretical MW (kDa):** 77.3

**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:** 4245

**Gene Symbol:** MGAT1

**Gene Alias:** GLCNAC-TI, GLCT1, GLYT1, GNT-1, GNT-I, MGAT

**Gene Summary:** There are believed to be over 100 different glycosyltransferases involved in the synthesis of protein-bound and lipid-bound oligosaccharides. UDP-N-acetylglucosamine:alpha-3-D-mannoside beta-1,2-N-acetylglucosaminyltransferase I is a medial-Golgi enzyme essential for the synthesis of hybrid and complex N-glycans. The protein, encoded by a single exon, shows typical features of a type II transmembrane protein. The protein is believed to be essential for normal embryogenesis. Several variants encoding the same protein have been found for this gene. [provided by RefSeq]