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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

B3GALT1 (Human) Recombinant Protein (P01)

Catalog Number: H00008708-P01

Regulation Status: For research use only (RUO)

Product Description: Human B3GALT1 full-length ORF (NP_066191.1, 1 a.a. - 326 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MASKVSCLYVLTVVCWASALWYLSITRPTSSYTGSKP
FSHLTVARKNFTFGNIRTRPINPHSFEFLINEPNKCEKN
IPFLVILISTTHKEFDARQAIRETWGDENNFKGIKIATLFL
LGKNADPVLNQMVEQESQIFHDIIVEDFIDSYHNLT LKT
LMGMRWVATFCSKAKYVMKTDSDFVNMDNLIYKLLK
PSTKPRRRYFTGYVINGGPIRDVRSKWYMPRDLYPDS
NYPPFCSGTGYIFSADVAELIYKTS LHTRLLHLEDVYVG
LCLRKLG IHPFQNSGFNHWKMAYSLCRYRRVITVHQIS
PEEMHRIWDMSSKHLRC

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 64.4

Interspecies Antigen Sequence: Mouse (100); Rat (100)

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: 8708

Gene Symbol: B3GALT1

Gene Alias: MGC126594, beta3Gal-T1

Gene Summary: This gene is a member of the beta-1,3-galactosyltransferase (beta3GalT) gene family. This family encodes type II membrane-bound glycoproteins with diverse enzymatic functions using different donor substrates (UDP-galactose and UDP-N-acetylglucosamine) and different acceptor sugars (N-acetylglucosamine, galactose, N-acetylgalactosamine). The beta3GalT genes are distantly related to the Drosophila Brainiac gene and have the protein coding sequence contained in a single exon. The beta3GalT proteins also contain conserved sequences not found in the beta4GalT or alpha3GalT proteins. The carbohydrate chains synthesized by these enzymes are designated as type 1, whereas beta4GalT enzymes synthesize type 2 carbohydrate chains. The ratio of type 1:type 2 chains changes during embryogenesis. By sequence similarity, the beta3GalT genes fall into at least two groups: beta3GalT4 and 4 other beta3GalT genes (beta3GalT1-3, beta3GalT5). This gene is expressed exclusively in the brain. The encoded protein shows strict donor substrate specificity for UDP-galactose. [provided by RefSeq]