



# SZABO SCANDIC

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## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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## Datasheet

### B3GALT2 (Human) Recombinant Protein (P01)

**Catalog Number:** H00008707-P01

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

**Product Description:** Human B3GALT2 full-length ORF ( NP\_003774.1, 1 a.a. - 422 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

MLQWRRRHCCFAKMTWNAKRSFLRTHLIGVLSLVFLF  
AMFLFFNHHDWLPGRAGFKENPVYTYFRGFRSTKSET  
NHSSLRNWIKETVPQTLRPQTATNSNNTDLSPQGVGTG  
LENTLSANGSIYNEKGTGHPNSYHFKEYIINEPEKCQEK  
SPFILLIAAEPGQIEARRAIRQTWGNESLAPGIQITRIFL  
LGLSIKLNGLQRAILEESRQYHDIIQQEYLDTYYNLTIK  
TLMGMNWWATYCPHIPYVMKTDSDMFVNTEYLINKLL  
KPDLPFRHNYFTGYLMRGYAPNRNKDSKWYMPDLY  
PSERYPVFCSGTGYVFSGLAEKIFKVSLGIRRLHLED  
VYVGICLAKLRIDPVPPPNEFVFNHWRVSYSSCKYSHL  
ITSHQFQPSELIKYWNHLQQNKHNACANAAKEKAGRY  
RHRKLH

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

**Theoretical MW (kDa):** 75.6

**Interspecies Antigen Sequence:** Mouse (95); Rat (96)

**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:** 8707

**Gene Symbol:** B3GALT2

**Gene Alias:** BETA3GALT2, GLCT2, beta3Gal-T2

**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 encodes a protein that functions in N-linked glycoprotein glycosylation and shows strict donor substrate specificity for UDP-galactose. [provided by RefSeq]