



# 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](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

## Datasheet

### B4GALT2 (Human) Recombinant Protein (P01)

**Catalog Number:** H00008704-P01

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

**Product Description:** Human B4GALT2 full-length ORF (AAH02431, 1 a.a. - 306 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

```
MPSTQLLAATAAATAPGPTPPPLAPGSLRSPVPCPV  
PRLPRCHPVLTRHLVLRVHRENPGVLMGGRYTPPDCT  
PAQTVAVIIPFRHREHHLRYWLHYLHPILRRQRLRYGV  
YVINQHGEDTFNRAKLLNVGFLEALKEDAAYDCIFSD  
VDLVPMDDRNLYRCGDQPRHFIAIMDKFGFRLPYAG  
YFGVSVGLSKAQFLRINGFPNEYWGWGEDDDIFNRI  
SLTGMKVSRRDIRIGRYRMKHDRDKHNEPNPQRFTKI  
QNTKLTMKRDGIGSVRYQVLEVSRQPLFTNITVDIGRP  
PSWPPRG
```

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

**Theoretical MW (kDa):** 59.40

**Interspecies Antigen Sequence:** Mouse (81); Rat (80)

**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:** 8704

**Gene Symbol:** B4GALT2

**Gene Alias:** B4Gal-T2, B4Gal-T3, beta4Gal-T2

**Gene Summary:** This gene is one of seven beta-1,4-galactosyltransferase (beta4GalT) genes. They encode type II membrane-bound glycoproteins that appear to have exclusive specificity for the donor substrate UDP-galactose; all transfer galactose in a beta1,4 linkage to similar acceptor sugars: GlcNAc, Glc, and Xyl. Each beta4GalT has a distinct function in the biosynthesis of different glycoconjugates and saccharide structures. As type II membrane proteins, they have an N-terminal hydrophobic signal sequence that directs the protein to the Golgi apparatus and which then remains uncleaved to function as a transmembrane anchor. By sequence similarity, the beta4GalTs form four groups: beta4GalT1 and beta4GalT2, beta4GalT3 and beta4GalT4, beta4GalT5 and beta4GalT6, and beta4GalT7. The enzyme encoded by this gene synthesizes N-acetyllactosamine in glycolipids and glycoproteins. Its substrate specificity is affected by alpha-lactalbumin but it is not expressed in lactating mammary tissue. Two transcript variants encoding the same protein have been found for this gene. [provided by RefSeq]