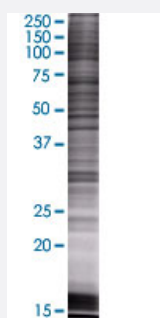


# B4GALNT1 293T Cell Transient Overexpression Lysate(Denatured)

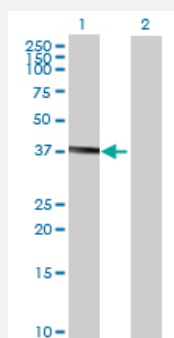
Catalog # H00002583-T01      Size 100 uL

## Applications



### SDS-PAGE Gel

B4GALNT1 transfected lysate.



### Western Blot

Lane 1: B4GALNT1 transfected lysate ( 36.19 KDa)

Lane 2: Non-transfected lysate.

## Specification

|                       |                           |
|-----------------------|---------------------------|
| Transfected Cell Line | 293T                      |
| Plasmid               | pCMV-B4GALNT1 full-length |
| Host                  | Human                     |
| Theoretical MW (kDa)  | 36.19                     |

**Quality Control Testing**

Transient overexpression cell lysate was tested with Anti-B4GALNT1 antibody ([H00002583-B01](#)) by Western Blots.  
SDS-PAGE Gel  
B4GALNT1 transfected lysate.  
Western Blot  
Lane 1: B4GALNT1 transfected lysate ( 36.19 KDa)  
Lane 2: Non-transfected lysate.

**Storage Buffer**

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

**Storage Instruction**

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

## Applications

- Western Blot

## Gene Info — B4GALNT1

**Entrez GeneID**[2583](#)**GeneBank Accession#**[BC029828.1](#)**Protein Accession#**[AAH29828.1](#)**Gene Name**

B4GALNT1

**Gene Alias**

GALGT, GALNACT

**Gene Description**

beta-1,4-N-acetyl-galactosaminyl transferase 1

**Omim ID**[601873](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

GM2 and GD2 gangliosides are sialic acid-containing glycosphingolipids. GalNAc-T is the enzyme involved in the biosynthesis of G(M2) and G(D2) glycosphingolipids. GalNAc-T catalyzes the transfer of GalNAc into G(M3) and G(D3) by a beta-1,4 linkage, resulting in the synthesis of G(M2) and G(D2), respectively. [provided by RefSeq]

**Other Designations**

GD2 synthase, GM2 synthase|GalNAc-T|UDP-Gal:betaGlcNAc beta-1,4-N-acetylgalactosaminyltransferase transferase 1|UDP-N-acetyl-alpha-D-galactosamine:(N-acetylneuraminy)-galactosylglucosylceramide N-acetylgalactosaminyltransferase (GalNAc-T)|beta1,4GalNAc-T

## Pathway

- [Glycosphingolipid biosynthesis - ganglio series](#)
- [Metabolic pathways](#)

## Disease

- [Diabetes Mellitus](#)
- [Genetic Predisposition to Disease](#)