

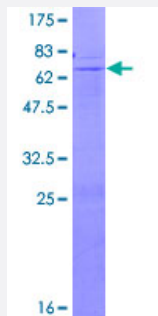
Full-Length

B4GALNT1 (Human) Recombinant Protein (P01)

Catalog # H00002583-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human B4GALNT1 full-length ORF (AAH29828.1, 1 a.a. - 328 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MWLGRRALCALVLLACASLGLLYASTRDAPGLRLPLAPWAPPQSPRRPELPDLAEPYAHIPV
RIKEQVVGLLAWNNCSCSSGGGLPLPFQKQVRAIDLTKAFDPAELRAASATREQEFQAFLSRS
QSPADQLLIAPANSPLQYPLQGVEVQPLRSILVPGLSLQAASGQEVYQVNLASLGTWDVAGEVT
GVTLTGEGQADLTLSVPGLDQLNRQLQLVTYSSRSYQNTADTGARPGWRDGGAGQTEKNQKG
WSGQMAEGMGGMGAMARAVQPHNGCFNWTSRARGRKGAFFVHLGLEQARGKPEPWWCLPFRP
TVGGPRKRLV

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

61.9

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

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.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

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](#)