

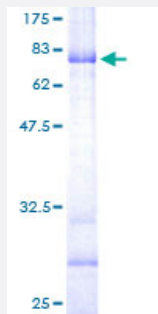
Full-Length

B3GNT2 (Human) Recombinant Protein (P01)

Catalog # H00010678-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human B3GNT2 full-length ORF (AAH30579, 1 a.a. - 397 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MSVGRRRIKLLGILMMANVFYFIMEVSKSSSQEKNKGGEV IIPKEKFWKISTPPEAYWNREQEKLN
RQYNPILSMLTNQTGEAGRLSNISHLNYCEPDLRVTSVVTGFNNLPDRFKDFLLYLCRNYSLLIDQ
PDKCAKKPFLLLAIKSLTPHFARRQAIRESWGQESNAGNQTVVRVLLGQTPPEDNHPDLSMDLK
FESEKHQDILMWNRYRDTFFNLSLKEVLFLRWVSTSCPDTEFVFKGDDDVFNTHHILNYLNSLSKT
KAKDLFIGDVIHNAGPHRDKKLYIPEVVYSGLYPPYAGGGGFLYSGHLALRLYHITDQVHLYPIDD
VYTGMC LQKLGLVPEKHKGFRTFDIEEKNKNNICSYVDLMLVHSRKPQEMIDIWSQLQSAHLKC

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

69.41

Interspecies Antigen Sequence

Mouse (87); Rat (87)

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 — B3GNT2

Entrez GeneID[10678](#)**GeneBank Accession#**[BC030579](#)**Protein Accession#**[AAH30579](#)**Gene Name**

B3GNT2

Gene Alias

B3GN-T1, B3GN-T2, B3GNT, B3GNT-2, B3GNT1, BETA3GNT

Gene Description

UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 2

Omim ID[605581](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

This gene encodes a member of the beta-1,3-N-acetylglucosaminyltransferase family. This enzyme is a type II transmembrane protein. It prefers the substrate of lacto-N-neotetraose, and is involved in the biosynthesis of poly-N-acetyllactosamine chains. [provided by RefSeq]

Other Designations

UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 1|beta-1,3-N-acetylglucosaminyltransferase bGnT-1|beta-1,3-N-acetylglucosaminyltransferase bGnT-2|beta3gal-T5

Pathway

- [Glycosphingolipid biosynthesis - lacto and neolacto series](#)

- [Keratan sulfate biosynthesis](#)
- [Metabolic pathways](#)