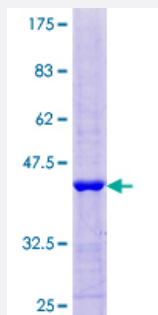


B4GAT1 (Human) Recombinant Protein (Q01)

Catalog # H00011041-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human B4GAT1 partial ORF (NP_006867.1, 316 a.a. - 415 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	AYVVPWQDPWEPFYVAGGKVPTFDERFRQYGFNRISQACELHVAGFD FEVLNEGFLVHKGFKE ALKFHPQKEAENQH NKILYRQFKQELKAKYPNSPRRC
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.74
Interspecies Antigen Sequence	Mouse (96)
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 — B4GAT1

Entrez GeneID [11041](#)

GeneBank Accession# [NM_006876](#)

Protein Accession# [NP_006867.1](#)

Gene Name B4GAT1

Gene Alias B3GN-T1, B3GNT6, BETA3GNT1, iGAT, iGNT

Gene Description UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 1

Omim ID [605517](#)

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 is essential for the synthesis of poly-N-acetyllactosamine, a determinant for the blood group i antigen. [provided by RefSeq]

Other Designations UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 6|beta-1,3-N-acetylglucosaminyltransferase bGnT-6|beta-1,3-N-acetylglucosaminyltransferase

Pathway

- [Glycosphingolipid biosynthesis - lacto and neolacto series](#)
- [Keratan sulfate biosynthesis](#)
- [Metabolic pathways](#)