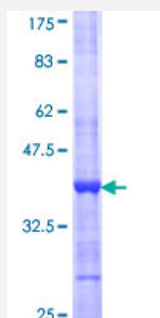


B3GAT1 (Human) Recombinant Protein (Q01)

Catalog # H00027087-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human B3GAT1 partial ORF (NP_061114, 235 a.a. - 332 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	AGKVVRWKTVPDHRPFAIDMAGFAVNLRLILQRSQAYFKLRGVKGGYQESSLLRELVTLNPLEP KAANCTKILVWHTRTEKPVLVNEGKKGFTDPSV
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.52
Interspecies Antigen Sequence	Mouse (98); Rat (98)
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 — B3GAT1

Entrez GeneID [27087](#)

GeneBank Accession# [NM_018644](#)

Protein Accession# [NP_061114](#)

Gene Name B3GAT1

Gene Alias CD57, GLCATP, GlcAT-P, GlcUAT-P, HNK-1, HNK1, LEU7, NK-1

Gene Description beta-1,3-glucuronyltransferase 1 (glucuronosyltransferase P)

Omim ID [151290](#)

Gene Ontology [Hyperlink](#)

Gene Summary The protein encoded by this gene is a member of the glucuronyltransferase gene family. These enzymes exhibit strict acceptor specificity, recognizing nonreducing terminal sugars and their anomeric linkages. This gene product functions as the key enzyme in a glucuronyl transfer reaction during the biosynthesis of the carbohydrate epitope HNK-1 (human natural killer-1, also known as CD 57 and LEU7). Alternate transcriptional splice variants have been characterized. [provided by RefSeq]

Other Designations CD57 antigen|LEU7 antigen|UDP-GlcUA:glycoprotein beta-1,3-glucuronyltransferase|beta-1,3-glucuronyltransferase 1|galactosylgalactosylxylosylprotein 3-beta-glucuronosyltransferase 1|glucuronosyltransferase P

Pathway

- [Chondroitin sulfate biosynthesis](#)
- [Heparan sulfate biosynthesis](#)

- [Metabolic pathways](#)