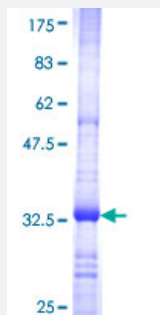


B3GNT3 (Human) Recombinant Protein (Q01)

Catalog # H00010331-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human B3GNT3 partial ORF (NP_055071, 135 a.a. - 208 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	KVRGLQLRLLFLVGTASNPHEARKVNRLLLEAQTHGDILQWDFHDSFFNLTQVLFLQWQETR CANASFVLN
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	33.88
Interspecies Antigen Sequence	Mouse (67); Rat (66)
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 — B3GNT3

Entrez GeneID [10331](#)

GeneBank Accession# [NM_014256](#)

Protein Accession# [NP_055071](#)

Gene Name B3GNT3

Gene Alias B3GAL-T8, B3GN-T3, B3GNT-3, HP10328, TMEM3, beta3Gn-T3

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

Omim ID [605863](#)

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 and contains a signal anchor that is not cleaved. It prefers the substrates of lacto-N-tetraose and lacto-N-neotetraose, and is involved in the biosynthesis of poly-N-acetyllactosamine chains and the biosynthesis of the backbone structure of dimeric sialyl Lewis x. It plays dominant roles in L-selectin ligand biosynthesis, lymphocyte homing and lymphocyte trafficking. [provided by RefSeq]

Other Designations beta-1,3-N-acetylglucosaminyltransferase bGnT-3|putative type II membrane protein|transmembrane protein 3

Pathway

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

Disease

- [Genetic Predisposition to Disease](#)
- [Hyperparathyroidism](#)
- [Inflammation](#)
- [Lymphoma](#)