

Recombinant Human B3GNT1 Protein, His-tagged

Cat. No. B3GNT1-634H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human B3GNT1 (NP_006867.1) (Asp43-Cys415) was expressed with a polyhistidine tag at the N-terminus.
Species	Human
Source	HEK293
ProteinLength	43-415 a.a.
Predicted N Terminal	His
Form	Lyophilized from sterile PBS, pH 7.4, 5% ~ 8% trehalose and mannitol.
Molecular Mass	The recombinant human B3GNT1 consists 392 amino acids and predicts a molecular mass of 44.7 kDa.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	>95 % as determined by SDS-PAGE.
Stability	Samples are stable for up to twelve months from date of receipt at -70°C.
Storage	Store it under sterile conditions at -20°C~-70°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Reconstitution It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name B3GNT1 UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 1 [Homo sapiens]

Official Symbol B3GNT1

Synonyms B3GNT1; UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 1; B3GNT6, UDP GlcNAc:betaGal beta 1,3 N acetylglucosaminyltransferase 6; N-acetyllactosaminide beta-1,3-N-acetylglucosaminyltransferase; B3GN T1; BETA3GNTI; iGAT; iGNT; iGnT; poly-N-acetyllactosamine extension enzyme; i-beta-1,3-N-acetylglucosaminyltransferase; beta-1,3-N-acetylglucosaminyltransferase bGnT-6; UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 6; B3GNT6; B3GN-T1;

Gene ID 11041

mRNA Refseq NM_006876

Protein Refseq NP_006867

MIM 605517

UniProt ID O43505

Chromosome Location 11q13.2

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Pathway

Glycosaminoglycan biosynthesis - keratan sulfate, organism-specific biosystem;
Glycosaminoglycan biosynthesis - keratan sulfate, conserved biosystem;
Glycosphingolipid biosynthesis - lacto and neolacto series, organism-specific biosystem;
Glycosphingolipid biosynthesis - lacto and neolacto series, conserved biosystem;
Metabolic pathways, organism-specific biosystem;

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