Recombinant Human B3GAT2 protein, His & T7-tagged

Cat. No. B3GAT2-1713H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human B3GAT2 aa. (Thr81~Val323 (Accession # Q9NPZ5)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Thr81~Val323
Description	The product of this gene is a transmembrane protein belonging to the glucuronyltransferase family, and catalyzes the transfer of a beta-1,3 linked glucuronic acid to a terminal galactose in different glycoproteins or glycolipids containing a Gal-beta-1-4GlcNAc or Gal-beta-1-3GlcNAc residue. The encoded protein is involved in the synthesis of the human natural killer-1 (HNK-1) carbohydrate epitope, a sulfated trisaccharide implicated in cellular migration and adhesion in the nervous system.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 31.6kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>90%

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

Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.
Reconstitution	Reconstitute in sterile ddH2O.
Isoelectric Point	10.1

GENE INFORMATION

Gene Name	B3GAT2 beta-1,3-glucuronyltransferase 2 [Homo sapiens (human)]
Official Symbol	B3GAT2
Synonyms	B3GAT2; beta-1,3-glucuronyltransferase 2; GLCATS; galactosylgalactosylxylosylprotein 3-beta-glucuronosyltransferase 2; UDP-glucuronosyltransferase S; UDP-glucuronyltransferase S; glcAT-D; glucuronosyltransferase S; uridine diphosphate glucuronic acid:acceptor glucuronosyltransferase
Gene ID	135152

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mRNA Refseq	NM_080742.2
Protein Refseq	NP_542780.1
UniProt ID	Q9NPZ5

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