

Recombinant Human B3GAT1 293 Cell Lysate

Cat. No. B3GAT1-8546HCL **Lot. No.** (See product label)

SPECIFICATION

| | |
|----------------------------|---|
| Species | Human |
| Source | HEK293 |
| Description | Antigen standard for beta-1,3-glucuronyltransferase 1 (glucuronosyltransferase P) (B3GAT1), transcript variant 1 is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection. |
| Components | This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol). |
| Size | 0.1 mg |
| Storage Instruction | Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment. |
| Applications | ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the |

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mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

| | |
|----------------------------|---|
| Gene Name | B3GAT1 beta-1,3-glucuronyltransferase 1 (glucuronosyltransferase P) [Homo sapiens] |
| Official Symbol | B3GAT1 |
| Synonyms | B3GAT1; beta-1,3-glucuronyltransferase 1 (glucuronosyltransferase P); CD57, CD57 antigen , LEU7; galactosylgalactosylxylosylprotein 3-beta-glucuronosyltransferase 1; GlcAT P; HNK 1; NK 1; glcUAT-P; LEU7 antigen; glucuronosyltransferase P; UDP-GlcUA:glycoprotein beta-1,3-glucuronyltransferase; NK1; CD57; HNK1; LEU7; NK-1; GLCATP; GLCUATP; |
| Gene ID | 27087 |
| mRNA Refseq | NM_018644 |
| Protein Refseq | NP_061114 |
| MIM | 151290 |
| UniProt ID | Q9P2W7 |
| Chromosome Location | 11q25 |
| Pathway | Glycosaminoglycan biosynthesis - chondroitin sulfate, organism-specific biosystem; Glycosaminoglycan biosynthesis - chondroitin sulfate, conserved biosystem; Glycosaminoglycan biosynthesis - heparan sulfate, organism-specific biosystem; |

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Glycosaminoglycan biosynthesis - heparan sulfate, conserved biosystem;
Glycosaminoglycan biosynthesis, linkage tetrasaccharide, organism-specific
biosystem; Glycosaminoglycan biosynthesis, linkage tetrasaccharide, conserved
biosystem; Metabolic pathways, organism-specific biosystem;

Function

UDP-galactose:beta-N-acetylglucosamine beta-1,3-galactosyltransferase activity;
galactosylgalactosylxylosylprotein 3-beta-glucuronosyltransferase activity; metal ion
binding; transferase activity;

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