

Recombinant Human B3GAT3 293 Cell Lysate

Cat. No. B3GAT3-8545HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for beta-1,3-glucuronyltransferase 3 (glucuronosyltransferase I) (B3GAT3) 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.

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

GENE INFORMATION

Gene Name B3GAT3 beta-1,3-glucuronyltransferase 3 (glucuronosyltransferase I) [Homo sapiens]

Official Symbol B3GAT3

Synonyms B3GAT3; beta-1,3-glucuronyltransferase 3 (glucuronosyltransferase I); galactosylgalactosylxylosylprotein 3-beta-glucuronosyltransferase 3; GlcAT I; glcUAT-I; Sqv-8-like protein; UDP-GlcUA:Gal beta-1,3-Gal-R glucuronyltransferase; GLCATI;

Gene ID 26229

mRNA Refseq NM_012200

Protein Refseq NP_036332

MIM 606374

UniProt ID O94766

Chromosome Location 11q12

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

galactosylgalactosylxylosylprotein 3-beta-glucuronosyltransferase activity;
manganese ion binding; metal ion binding; transferase activity;

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