

Recombinant Human B3GNT1 293 Cell Lysate

Cat. No. B3GNT1-8544HCL Lot. No. (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 1 (B3GNT1) 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	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;

Function

N-acetyllactosaminide beta-1,3-N-acetylglucosaminyltransferase activity; transferase
activity, transferring glycosyl groups;

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