

Recombinant Human B3GALT2 293 Cell Lysate

Cat. No. B3GALT2-8548HCL **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for UDP-Gal:betaGlcNAc beta 1,3-galactosyltransferase, polypeptide 2 (B3GALT2) 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	B3GALT2 UDP-Gal:betaGlcNAc beta 1,3-galactosyltransferase, polypeptide 2 [Homo sapiens]
Official Symbol	B3GALT2
Synonyms	B3GALT2; UDP-Gal:betaGlcNAc beta 1,3-galactosyltransferase, polypeptide 2; beta-1,3-galactosyltransferase 2; beta3Gal T2; beta-3-galt2; beta-1,3-GalTase 2; UDP-galactose:2-acetamido-2-deoxy-D-glucose 3beta-galactosyltransferase 2; GLCT2; BETA3GALT2; beta3Gal-T2;
Gene ID	8707
mRNA Refseq	NM_003783
Protein Refseq	NP_003774
MIM	603018
UniProt ID	O43825
Chromosome Location	1q31
Pathway	Glycosphingolipid biosynthesis - lacto and neolacto series, organism-specific biosystem; Glycosphingolipid biosynthesis - lacto and neolacto series, conserved biosystem; Glycosphingolipid biosynthesis, lacto-series, LacCer =>Lc4Cer, organism-specific biosystem; Glycosphingolipid biosynthesis, lacto-series, LacCer => Lc4Cer,

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conserved biosystem; Metabolic pathways, organism-specific biosystem;

Function

UDP-galactose:beta-N-acetylglucosamine beta-1,3-galactosyltransferase activity;
galactosyltransferase activity; transferase activity, transferring glycosyl groups;

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