

Recombinant Human B3GALT1 293 Cell Lysate

Cat. No. B3GALT1-8549HCL Lot. No. (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for UDP-Gal:betaGlcNAc beta 1,3-galactosyltransferase, polypeptide 1 (B3GALT1) 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 B3GALT1 UDP-Gal:betaGlcNAc beta 1,3-galactosyltransferase, polypeptide 1 [Homo sapiens (human)]

Official Symbol B3GALT1

Synonyms B3GALT1; beta3Gal-T1; UDP-Gal:betaGlcNAc beta 1,3-galactosyltransferase, polypeptide 1; beta-1,3-galactosyltransferase 1; beta3GalT1; beta-3-galt1; beta-1,3-GalTase 1; UDP-galactose:beta-N-acetyl-glucosamine-beta-1,3-galactosyltransferase 1; NP_066191.1; EC 2.4.1.179

Gene ID 8708

mRNA Refseq NM_020981

Protein Refseq NP_066191

MIM 603093

UniProt ID Q9Y5Z6

Chromosome Location 2q24.3

Pathway Glycosphingolipid biosynthesis - lacto and neolacto series, organism-specific biosystem; Glycosphingolipid biosynthesis - lacto and neolacto series, conserved

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biosystem; Glycosphingolipid biosynthesis, lacto-series, LacCer =>Lc4Cer, organism-specific biosystem; Glycosphingolipid biosynthesis, lacto-series, LacCer =>Lc4Cer, conserved biosystem

Function

UDP-galactose:beta-N-acetylglucosamine beta-1,3-galactosyltransferase activity

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