

Recombinant Human B4GALT3 293 Cell Lysate

Cat. No. B4GALT3-8538HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase, polypeptide 3 (B4GALT3) 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

B4GALT3 UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase, polypeptide 3 [Homo sapiens]

Official Symbol

B4GALT3

Synonyms

B4GALT3; UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase, polypeptide 3; beta-1,4-galactosyltransferase 3; beta4Gal T3; b4Gal-T3; beta-1,4-GalTase 3; UDP-Gal:beta-GlcNAc beta-1,4-galactosyltransferase 3; beta-N-acetylglucosaminyl-glycolipid beta-1,4-galactosyltransferase 3; UDP-galactose:beta-N-acetylglucosamine beta-1,4-galactosyltransferase 3; beta4Gal-T3;

Gene ID

8703

mRNA Refseq

NM_001199873

Protein Refseq

NP_001186802

MIM

604014

UniProt ID

O60512

Chromosome Location

1q21-q23

Pathway

Asparagine N-linked glycosylation, organism-specific biosystem; Glycosaminoglycan

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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; Glycosphingolipid biosynthesis, neolacto-series, LacCer =>nLc4Cer, organism-specific biosystem;

Function

N-acetyllactosamine synthase activity; beta-N-acetylglucosaminylglycopeptide beta-1,4-galactosyltransferase activity; galactosyltransferase activity; metal ion binding; transferase activity, transferring glycosyl groups;