

Recombinant Human B3GALT4 293 Cell Lysate

Cat. No. B3GALT4-8547HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for UDP-Gal:betaGlcNAc beta 1,3-galactosyltransferase, polypeptide 4 (B3GALT4) 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	B3GALT4?UDP-Gal:betaGlcNAc beta 1,3-galactosyltransferase, polypeptide 4 [?Homo sapiens?(human)]
Official Symbol	B3GALT4
Synonyms	B3GALT4; UDP-Gal:betaGlcNAc beta 1,3-galactosyltransferase, polypeptide 4; GALT2; GALT4; BETA3GALT4; beta-1,3-galactosyltransferase 4; gal-T2; b3Gal-T4; beta-1,3-GalTase 4; beta-3-galactosyltransferase 4; ganglioside galactosyltransferase; UDP-galactose:beta-N-acetyl-galactosamine-beta-1,3-galactosyltransferase; NP_003773.1; EC 2.4.1.62
Gene ID	8705
mRNA Refseq	NM_003782
Protein Refseq	NP_003773
MIM	603095
UniProt ID	O96024
Chromosome Location	6p21.3
Pathway	Ganglio Sphingolipid Metabolism, organism-specific biosystem; Glycosphingolipid

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biosynthesis - ganglio series, organism-specific biosystem; Other types of O-glycan biosynthesis, organism-specific biosystem; Other types of O-glycan biosynthesis, conserved biosystem

Function

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

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