

Recombinant Human B4GALNT1 cell lysate

Cat. No. B4GALNT1-2110HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Description	GM2 and GD2 gangliosides are sialic acid-containing glycosphingolipids. GalNAc-T is the enzyme involved in the biosynthesis of G(M2) and G(D2) glycosphingolipids. GalNAc-T catalyzes the transfer of GalNAc into G(M3) and G(D3) by a beta-1,4 linkage, resulting in the synthesis of G(M2) and G(D2), respectively.
Size	100 ul
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Applications	Western Blot;

GENE INFORMATION

Gene Name	B4GALNT1 beta-1,4-N-acetyl-galactosaminyl transferase 1 [Homo sapiens]
Official Symbol	B4GALNT1
Synonyms	B4GALNT1; beta-1,4-N-acetyl-galactosaminyl transferase 1; GALGT, UDP Gal:betaGlcNAc beta 1,4 N acetyl-galactosaminyltransferase transferase 1 , UDP N acetyl alpha D galactosamine:(N acetylneuraminy) galactosylglucosylceramide N acetyl-galactosaminyltransferase (GalNAc T); beta-1,4 N-

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acetylgalactosaminyltransferase 1; beta1 4GalNAc T; GD2 synthase; GM2 synthase; GalNAc-T; beta1,4GalNAc-T; beta1-4GalNAc-T; GM2/GD2 synthase; GD2 synthase, GM2 synthase; (N-acetylneuraminy)-galactosylglucosylceramide; UDP-Gal:betaGlcNAc beta-1,4-N-acetylgalactosaminyltransferase transferase 1; UDP-N-acetyl-alpha-D-galactosamine:(N-acetylneuraminy)-galactosylglucosylceramide N-acetylgalactosaminyltransferase (GalNAc-T); GALGT; GALNACT;

Gene ID	2583
mRNA Refseq	NM_001478
Protein Refseq	NP_001469
MIM	601873
UniProt ID	Q00973
Chromosome Location	12q13.3
Pathway	Ganglio Sphingolipid Metabolism, organism-specific biosystem; Glycosphingolipid biosynthesis - ganglio series, organism-specific biosystem; Glycosphingolipid biosynthesis - ganglio series, conserved biosystem; Metabolic pathways, organism-specific biosystem;
Function	(N-acetylneuraminy)-galactosylglucosylceramide N-acetylgalactosaminyltransferase activity;