

## Recombinant Human B4GALNT1 cell lysate

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

### SPECIFICATION

<b>Species</b>	Human
<b>Description</b>	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.
<b>Size</b>	100 ul
<b>Storage Buffer</b>	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
<b>Applications</b>	Western Blot;

### GENE INFORMATION

<b>Gene Name</b>	B4GALNT1 beta-1,4-N-acetyl-galactosaminyl transferase 1 [ Homo sapiens ]
<b>Official Symbol</b>	B4GALNT1
<b>Synonyms</b>	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-acetyl galactosaminyltransferase 1; beta1 4GalNAc T; GD2 synthase; GM2 synthase;

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

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