

Recombinant Full Length Human B4GALNT1 Protein, GST-tagged

Cat. No. B4GALNT1-1645HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human B4GALNT1 full-length ORF (AAH29828.1, 1 a.a. - 328 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	328 amino acids
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. [provided by RefSeq]
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	61.9 kDa
AA Sequence	MWLGRRALCA LVLLACASL GLLYASTRDA PGLRLPLAPW APPQSPRRPE LPDLAPEPRY AHIPVRIKEQ VVGLLAWNNC SCESSGGGLP LPFQKQVRAI DLTKAFDPAE LRAASATREQ EFQAFLSRSQ SPADQLLIAP ANSPLQYPLQ GVEVQPLRSI LVPGLSLQAA SGQEVYQVNL TASLGTWDVA GEVTGVTLTG EGQADLTLVS PGLDQLNRQL QLVTYSSRSY QTNTADTGAR PGWRDGGQAGQ

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TEKNQKGWSG QMAEGMGGIW AMARAVQPHN GCFNWTSRAR GRKGAFVHLG
LEQARGKPEP WVCLPFRPTV GGPRKRLV

Storage Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

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-acetyl-galactosaminyltransferase 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-acetyl-galactosaminyltransferase transferase 1; UDP-N-acetyl-alpha-D-galactosamine:(N-acetylneuraminy)-galactosylglucosylceramide N-acetyl-galactosaminyltransferase (GalNAc-T); GALGT; GALNACT

Gene ID 2583

mRNA Refseq NM_001478

Protein Refseq NP_001469

MIM 601873

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UniProt ID

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