

Recombinant Human B4GALNT1 protein, GST-tagged

Cat. No. B4GALNT1-026H **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	Wheat Germ
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	MWLGRRALCALVLLACASLGLLYASTRDAPGLRLPLAPWAPPQSPRRPELPDLAP EPRYAHIPVRIKEQVVGLLAWNNCSCESSGGGLPLPFQKQVRAIDLTKAFDPAELRA ASATREQEFQAFLSRSQSPADQLLIAPANSPLQYPLQGVEVQPLRSILVPGLSLQAA SGQEVYQVNLTASLGTWDVAGEVTGVTLTGEGQADTLVSPGLDQLNRQLQLVTYS SRSYQTNADTGARPGWRDGGAGQTEKNQKGWSGQMAEGMGGIWAMARAVQP HNGCFNWTSRARGRKGA FVHLGLEQARGKPEPWVCLPFRPTVGGPRKRLV
Notes	Best use within three months from the date of receipt of this protein.

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

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

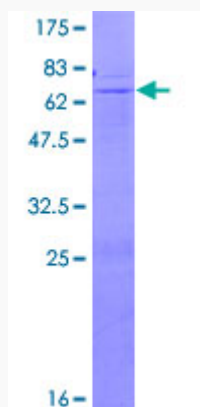
MIM 601873

UniProt ID Q00973

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