

## Recombinant Human B4GALNT1 protein, GST-tagged

**Cat. No.** B4GALNT1-026H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Human B4GALNT1 full-length ORF ( AAH29828.1, 1 a.a. - 328 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	Wheat Germ
<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. [provided by RefSeq]
<b>Form</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
<b>Molecular Mass</b>	61.9 kDa
<b>AA Sequence</b>	MWLGRRALCALVLLACASLGLLYASTRDAPGLRLPLAPWAPPQSPRRPELPDLAP EPRYAHIPVRIKEQVVGLLAWNNCSCESSGGGLPLPFQKQVRAIDLTKAFDPAELRA ASATREQEFQAFLSRSQSPADQLLIAPANSPLQYPLQGVEVQPLRSILVPGLSLQAA SGQEVYQVNLTAASLGTWDVAGEVTGVTLTGEGQADLTLVSPGLDQLNRQLQLVTYS SRSYQTNADTGARPGWRDGGAGQTEKNQKGWSGQMAEGMGGIWAMARAVQP HNGCFNWTSRARGRKGAFVHLGLEQARGKPEPWVCLPFRPTVGGPRKRLV
<b>Notes</b>	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 acetylgalactosaminyltransferase transferase 1 , UDP N acetyl alpha D galactosamine:(N acetylneuraminy) galactosylglucosylceramide N acetylgalactosaminyltransferase (GalNAc T); beta-1,4 N-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

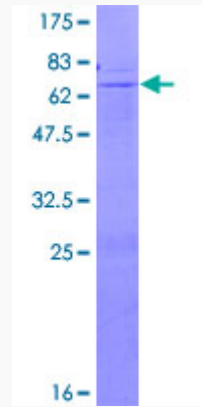
**MIM** 601873

**UniProt ID** Q00973

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