

# Recombinant Human B3GALT5 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** B3GALT5-2221H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | B3GALT5 MS Standard C13 and N15-labeled recombinant protein (NP_149360) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                                                                                 |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                |
| <b>Description</b>      | This gene encodes a member of a family of membrane-bound glycoproteins. The encoded protein may synthesize type 1 Lewis antigens, which are elevated in gastrointestinal and pancreatic cancers. Alternatively spliced transcript variants using multiple alternate promoters have been observed for this gene.                                                       |
| <b>Molecular Mass</b>   | 36 kDa                                                                                                                                                                                                                                                                                                                                                                |
| <b>AA Sequence</b>      | MAFPKMRLMYICLLVLGALCLYFSMYSLNPFKEQSFVYKKDGNFLKLPDTCRQTPP<br>FLVLLVTSSHKQLAERMAIRQTWGKERMVKGKQLKTFLLGTTSSAAETKEVDQES<br>QRHGDIIQKDFLDVYYNLTCLKTMMGIEWVHRFCPQAAFVMKTDSDMFINVDYLTLL<br>LKKNRTRRFFTGFLKLNFFPIRQPFKWFVSKSEYPWDRYPPFCSGTGYVFGSDVA<br>SQVYNVSKSVPIKLEDVFVGLCLERLNIRLEELHSQPTFFPGGLRFSVCLFRRIVAC<br>HFIKPRTLDDYWQALENSRGEDCPPVTRTRPLEQKLISEEDLAANDILDYKDDDDKV |
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining                                                                                                                                                                                                                                                                                                           |
| <b>Stability</b>        | Stable for 3 months from receipt of products under proper storage and handling                                                                                                                                                                                                                                                                                        |

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conditions.

**Storage** Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

**Concentration** 50 µg/mL as determined by BCA

**Storage Buffer** 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

**Gene Name** B3GALT5 beta-1,3-galactosyltransferase 5 [ Homo sapiens (human) ]

**Official Symbol** B3GALT5

**Synonyms** B3GALT5; beta-1,3-galactosyltransferase 5; beta-1,3-galactosyltransferase 5; UDP-Gal:betaGlcNAc beta 1,3-galactosyltransferase, polypeptide 5; UDP-galactose:beta-N-acetylglucosamine beta-1,3-galactosyltransferase 5; homolog of C. elegans Bt toxin resistance gene bre-5; EC 2.4.1.-

**Gene ID** 10317

**mRNA Refseq** NM\_033170

**Protein Refseq** NP\_149360

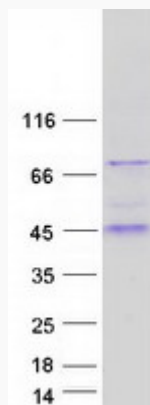
**MIM** 604066

**UniProt ID** Q9Y2C3

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**SDS-PAGE**

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