

## Recombinant Human B3GALT5 protein, His & GST-tagged

**Cat. No.** B3GALT5-1822H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                 |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human B3GALT5 aa. (Asn29~Val310) fused with N-terminal His & GST tag was produced in E. coli cells.                                                                                                                                                                                                 |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                           |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                          |
| <b>ProteinLength</b>    | Asn29~Val310                                                                                                                                                                                                                                                                                                    |
| <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>Form</b>             | Freeze-dried powder                                                                                                                                                                                                                                                                                             |
| <b>Molecular Mass</b>   | 63kDa as determined by SDS-PAGE reducing conditions.                                                                                                                                                                                                                                                            |
| <b>Endotoxin</b>        | <1.0EU per 1ug (determined by the LAL method)                                                                                                                                                                                                                                                                   |
| <b>Purity</b>           | >85%                                                                                                                                                                                                                                                                                                            |
| <b>Applications</b>     | SDS-PAGE; WB; ELISA; IP; CoIP; Reporter Assays; Purification; Amine Reactive Labeling.                                                                                                                                                                                                                          |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Stability</b>         | The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition. |
| <b>Storage</b>           | Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.                                                                                                                                                                                                                          |
| <b>Concentration</b>     | 200µg/mL                                                                                                                                                                                                                                                                                                                            |
| <b>Storage buffer</b>    | 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5%Trehalose and Proclin300.                                                                                                                                                                                                                             |
| <b>Reconstitution</b>    | Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.                                                                                                                                                                                                                                   |
| <b>Isoelectric Point</b> | 9                                                                                                                                                                                                                                                                                                                                   |

## GENE INFORMATION

|                        |                                                                                                                                                                                                                                                                                                                                                             |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | B3GALT5 beta-1,3-galactosyltransferase 5 [ Homo sapiens (human) ]                                                                                                                                                                                                                                                                                           |
| <b>Official Symbol</b> | B3GALT5                                                                                                                                                                                                                                                                                                                                                     |
| <b>Synonyms</b>        | B3GALT5; beta-1,3-galactosyltransferase 5; B3T5; GLCT5; B3GalTx; B3GalT-V; beta3Gal-T5; beta-3-Gx-T5; beta-1,3-GalTase 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 |
| <b>Gene ID</b>         | 10317                                                                                                                                                                                                                                                                                                                                                       |

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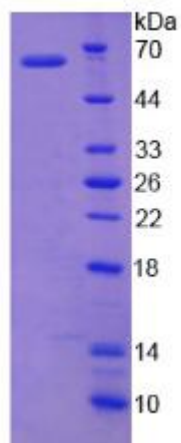
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mRNA Refseq NM\_001278650.1

Protein Refseq NP\_001265579.1

UniProt ID Q9Y2C3

SDS-PAGE



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