

## 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.

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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>	<b>B3GALT5 beta-1,3-galactosyltransferase 5 [ Homo sapiens (human) ]</b>
<b>Official Symbol</b>	<b>B3GALT5</b>
<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>	<b>10317</b>

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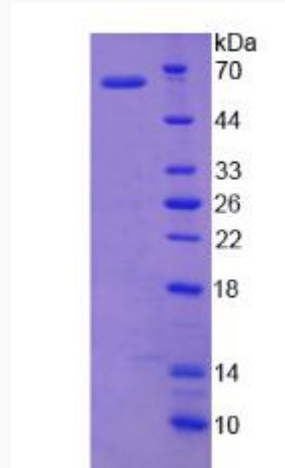
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mRNA Refseq [NM\\_001278650.1](#)

Protein Refseq [NP\\_001265579.1](#)

UniProt ID [Q9Y2C3](#)

SDS-PAGE



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