

## Product datasheet for PH314721

### B3GALT5 (NM\_033171) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	B3GALT5 MS Standard C13 and N15-labeled recombinant protein (NP_149361)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC214721
Predicted MW:	36 kDa
Protein Sequence:	>RC214721 representing NM_033171 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)  MAFPKMRLMYICLLVLGALCLYFSMYSLNPFKEQSFVYKKGDNFLKLPDTCRQTTPFLVLLVTSSHKQL AERMAIRQTWGKERMVKGKQLKTFLLGTTSSAAETKEVDQESQRHGDIQKDFLDVYYNLTCLKTMMGIE WVHRFCPQAAAFVMKTDSDMFINVDYLTELLKKNRTTRFFTGFLKLNFPPIRQPFKWFVSKSEYPWDYR PPFCSGTGYVFSGDVASQYVNSKSVPIKLEDVFGVGLCLERLNIRLEELHSQPTFFPGGLRFSVCLFRR IVACHFIKPRTLDDYWQALENSRGEDCPPV  <b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<a href="#">NP_149361</a>
RefSeq Size:	2871
RefSeq ORF:	930
Synonyms:	3-GalTase 5; B3GalT-V; B3GalTx; B3T5; beta-1; beta-3-Gx-T5; beta3Gal-T5; GLCT5
Locus ID:	10317



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UniProt ID: [Q9Y2C3](#)

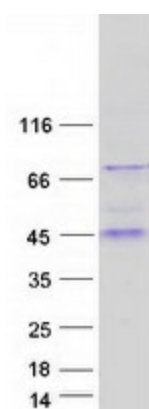
Cytogenetics: 21q22.2

**Summary:** 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. [provided by RefSeq, Sep 2017]

**Protein Families:** Transmembrane

**Protein Pathways:** Glycosphingolipid biosynthesis - globo series, Glycosphingolipid biosynthesis - lacto and neolacto series, Metabolic pathways

### Product images:



Coomassie blue staining of purified B3GALT5 protein (Cat# [TP314721]). The protein was produced from HEK293T cells transfected with B3GALT5 cDNA clone (Cat# [RC214721]) using MegaTran 2.0 (Cat# [TT210002]).