

Product datasheet for PH315430

B3GALT5 (NM_006057) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	B3GALT5 MS Standard C13 and N15-labeled recombinant protein (NP_006048)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC215430
Predicted MW:	36.2 kDa
Protein Sequence:	>RC215430 protein sequence Red=Cloning site Green=Tags(s) MAFPKMRLMYICLLVLGALCLYFSMYSLNPFKEQSFVYKKGDNFLKLPDTCRQTPPFLVLLVTSSHKQL AERMAIRQTWGKERTVKGKQLKTFLLGTTSSAAETKEVDQESQRHGDIQKDFLDVYYNLTCLKTMMGIE WVHRFCPQAAAFVMKTDSDMFINVDYLTELLKKNRTTRFFTGFLKLNFPPIRQPFKWFVSKSEYPWDY PPFCSGTGYVFSGDVASQYVNSKSVPIKLEDVFGVGLCLERLNIRLEELHSQPTFFPGGLRFSVCLFRR IVACHFIKPRTLDDYWQALENSRGEDCPPV TRTRPLEQKLISEEDLAANDILDYKDDDDKV
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- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-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:	NP_006048
RefSeq Size:	2786
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# [TP315430]). The protein was produced from HEK293T cells transfected with B3GALT5 cDNA clone (Cat# [RC215430]) using MegaTran 2.0 (Cat# [TT210002]).