

Product datasheet for **TP314721M**

B3GALT5 (NM_033171) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Homo sapiens UDP-Gal:betaGlcNAc beta 1,3-galactosyltransferase, polypeptide 5 (B3GALT5), transcript variant 3, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC214721 representing NM_033171 Red =Cloning site Green =Tags(s)

MAFPKMRLMYICLLVLGALCLYFSMYSLNPFKEQSFVYKKDGNFLKLPDPTDCRQTPPFVLLVTSSHKQL
AERMAIRQTWGKERMVKGKQLKTFLLGTTSSAAETKEVDQESQRHGDIIQKDFLDVYNNLTKTMMGIE
WVHRFCPQAAFVMKTDSDFINVDYLTELLKKNRTTRFFTGFLKLNFPPIRQPFKWFVSKSEYPWDYR
PPFCSGTGYVFSGDVASQVYNVSKSVPIKLEDVFGVGLCLERLNIRLEELHSQPTFFPGGLRFSVCLFRR
IVACHFIKPRLLDYWQALENSRGEDCPPV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

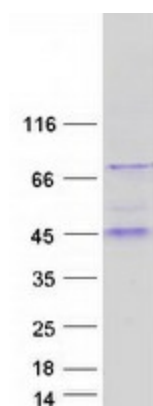
Tag:	C-Myc/DDK
Predicted MW:	36 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_149361
Locus ID:	10317



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UniProt ID:	Q9Y2C3
RefSeq Size:	2871
Cytogenetics:	21q22.2
RefSeq ORF:	930
Synonyms:	3-GalTase 5; B3GalT-V; B3GalTx; B3T5; beta-1; beta-3-Gx-T5; beta3Gal-T5; GLCT5
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]).