

Product datasheet for **TP504357**

B3galt5 (NM_033149) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse UDP-Gal:betaGlcNAc beta 1,3-galactosyltransferase, polypeptide 5 (B3galt5), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR204357 protein sequence Red =Cloning site Green =Tags(s)

MAHMKTRLVYASILMMGALCLYFSMDSFRELPFVFKKSHGKFLQIPDIDCKQKPPFLVLLVTSSHKQLAA
RMAIRKTWGRETSVQGQVVRTFFLLGTSDSTEEMDATTLESEQHRDIQKDFKDAYFNLTLLKTMGMMEWV
YHFCPQTAYVMKTDSMDMFVNVGYLTELLKKNKTRFFTYIKPHDFPIRQKFNKWFVSKFEYPWDRYPP
FCSGTGYVFSSDVAIQVYNVSESVPIKLEDVFGVGLCLAKLIRPEELHTKQTFPPGGLRFSVCRFQKIV
ACHFMKPQDLLTYWQALENSKEQDCPAV

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
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 after receiving vials.
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_149161
Locus ID:	93961
UniProt ID:	Q9J167



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RefSeq Size: 4914

Cytogenetics: 16 C4

RefSeq ORF: 927

Synonyms: 1190002B21 Rik; AU045265; b3Galt-V

Summary: Catalyzes the transfer of Gal to GlcNAc-based acceptors with a preference for the core3 O-linked glycan GlcNAc(beta1,3)GalNAc structure. Can use glycolipid LC3Cer as an efficient acceptor. Also catalyzes the transfer of Gal to the terminal GalNAc unit of the globoside GB4, thereby synthesizing the glycolipid GB5, also known as the stage-specific embryonic antigen-3 (SSEA-3).[UniProtKB/Swiss-Prot Function]