

## Product datasheet for TP505973

### B4galt6 (NM\_019737) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse UDP-Gal:betaGlcNAc beta 1,4-galactosyltransferase, polypeptide 6 (B4galt6), full length, with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR205973 protein sequence Red=Cloning site Green=Tags(s)
	MSALKRMMRVSNRSLIAFIFFSLSTSCLYFIYVAPGIANTYLFMVQARGIMLRENVKTIGHMIRLYTNK NTTLNGTDYPEGNNTSDYLVQTTTYLPQNFTYLPPLPCPEKLPYMRGFLSVNVSEISFDEVHQLFSKDSE IGPGGHWRPKDCKPRWKVAVLIPFRNRHEHLPFFLHLIPMLQKQRLEFAFYVIEQTGTQPFNRAMLFNV GFKEAMKDRAWDCVIFHDVDHLPENDRNYYGCGEMPRHFAAKLDKYMILPYKEFFGGVSGLTVEQFRKI NGFPNAFWGWGGEDDDLWNRVHYAGYNVTRPEGD LGKYISIPHHHRGEVQFLGRYKLLRYSKERQYIDGL NNLLYTPKILVDRLYTNISVNLMPELAPIEDY
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	Myc-DDK
Predicted MW:	44.8 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:	<a href="#">NP_062711</a>
Locus ID:	56386



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UniProt ID: [Q9WVK5](#), [Q3UUA9](#)

RefSeq Size: 5808

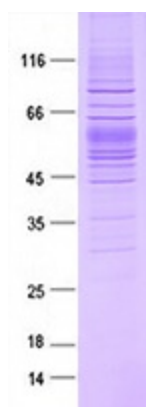
Cytogenetics: 18 A2

RefSeq ORF: 1149

Synonyms: AA536803; AU022389

**Summary:** Catalyzes the synthesis of lactosylceramide (LacCer) via the transfer of galactose from UDP-galactose to glucosylceramide (GlcCer) (PubMed:23882130, PubMed:30114188). LacCer is the starting point in the biosynthesis of all gangliosides (membrane-bound glycosphingolipids) which play pivotal roles in the CNS including neuronal maturation and axonal and myelin formation (PubMed:30114188).[UniProtKB/Swiss-Prot Function]

### Product images:



Coomassie blue staining of purified B4galt6 protein (Cat# TP505973). The protein was produced from HEK293T cells transfected with B4galt6 cDNA clone (Cat# [MR205973]) using MegaTran 2.0 (Cat# [TT210002]).