

Product datasheet for TP525689

B4galt5 (NM_019835) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse UDP-Gal:betaGlcNAc beta 1,4-galactosyltransferase, polypeptide 5 (B4galt5), full length, with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR225689 representing NM_019835 Red =Cloning site Green =Tags(s) MRARRGLLRLPRRSLAALFFFSLSSSLLYFVYVAPGIVNTYLFMVQAQGILLRDNVRTIGAQVVEQVVR SAYAKRNSLNDSDYPLDLNHSEAFPPTTTTFLPEDFTYFANHPCPERLPSMKGPIDINMSEIAMDDIH FSRDPAILGGHWKPADCVPRWVKVAILIPFRNRHEHLVLLRHLLPMLQRQRLQFAFYVIEQVGTQPFNR AMLFNVGFQEAMKDLWDCLIFHDVDHIPESDRNYGCGQMPRHFKLDKMYLLPYTEFFGGVSGLT EQFRKINGFPNAFWGWWGEGDDDLWNRVQNAAGYSVSRPEGDTGKYKSIPHHHRGEVQFLGRYALLRKS KER QGLDGLNNLNYSANVTYDALYKNITVNLTPELAQTVEY TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	Myc-DDK
Predicted MW:	45.3 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_062809
Locus ID:	56336



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UniProt ID: [Q9JMK0](#), [Q3U7I0](#)

RefSeq Size: 4205

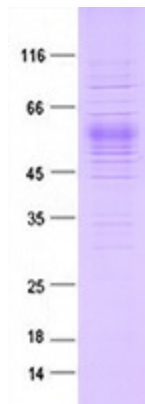
Cytogenetics: 2 H3

RefSeq ORF: 1164

Synonyms: 9430078I07Rik; AW049941; AW539721

Summary: Catalyzes the synthesis of lactosylceramide (LacCer) via the transfer of galactose from UDP-galactose to glucosylceramide (GlcCer) (PubMed:21057870, 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). Plays a role in the glycosylation of BMPR1A and regulation of its protein stability (PubMed:29415997). Essential for extraembryonic development during early embryogenesis (PubMed:20574042, PubMed:21057870).[UniProtKB/Swiss-Prot Function]

Product images:



Coomassie blue staining of purified B4galt5 protein (Cat# TP525689). The protein was produced from HEK293T cells transfected with B4galt5 cDNA clone (Cat# [MR225689]) using MegaTran 2.0 (Cat# [TT210002]).