

Recombinant Mouse B4galt5 Protein, Myc/DDK-tagged

Cat. No. B4galt5-1810M Lot. No. (See product label)

SPECIFICATION

Product Overview	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.
Species	Mouse
Source	HEK293
Description	Catalyzes the synthesis of lactosylceramide (LacCer) via the transfer of galactose from UDP-galactose to glucosylceramide (GlcCer). 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. Plays a role in the glycosylation of BMPR1A and regulation of its protein stability. Essential for extraembryonic development during early embryogenesis.
Molecular Mass	45.3 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method

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Storage Buffer	25 mM Tris-HCl, pH 7.3, 100 mM glycine, 10% glycerol
Full Length	Full L.
GENE INFORMATION	
Gene Name	B4galt5 UDP-Gal:betaGlcNAc beta 1,4-galactosyltransferase, polypeptide 5 [Mus musculus (house mouse)]
Official Symbol	B4galt5
Synonyms	B4GALT5; UDP-Gal:betaGlcNAc beta 1,4-galactosyltransferase, polypeptide 5; beta-1,4-galactosyltransferase 5; b4Gal-T5; beta4Gal-T5; beta-1,4-GalT II; beta-1,4-GalTase 5; beta-1,4-galactosyltransferase V; UDP-Gal:beta-GlcNAc beta-1,4-galactosyltransferase 5; UDP-galactose:beta-N-acetylglucosamine beta-1,4-galactosyltransferase 5; AW049941; AW539721; 9430078I07Rik
Gene ID	56336
mRNA Refseq	NM_019835
Protein Refseq	NP_062809
UniProt ID	Q9JMK0

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