Recombinant Mouse Rxylt1 Protein, Myc/DDK-tagged

Cat. No. Rxylt1-5661M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length ribitol xylosyltransferase 1 (Rxylt1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	UDP-xylosyltransferase involved in the biosynthesis of the phosphorylated O-mannosyl trisaccharide (N-acetylgalactosamine-beta-3-N-acetylglucosamine-beta-4-(phosphate-6-)mannose), a carbohydrate structure present in alpha-dystroglycan (DAG1), which is required for binding laminin G-like domain-containing extracellular proteins with high affinity. Acts as a UDP-D-xylose:ribitol-5-phosphate beta1,4-xylosyltransferase, which catalyzes the transfer of UDP-D-xylose to ribitol 5-phosphate (Rbo5P) to form the Xylbeta1-4Rbo5P linkage on O-mannosyl glycan.
Molecular Mass	51.4 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.

GENE INFORMATION

Gene Name	Rxylt1 ribitol xylosyltransferase 1 [Mus musculus (house mouse)]
Official Symbol	Rxylt1
Synonyms	Rxylt1; ribitol xylosyltransferase 1; Tmem5; 6330415D21Rik; ribitol-5-phosphate xylosyltransferase 1; UDP-D-xylose:ribitol-5-phosphate beta1,4-xylosyltransferase; transmembrane protein 5; EC 2.4.2.-
Gene ID	216395
mRNA Refseq	NM_153059
Protein Refseq	NP_694699
UniProt ID	Q8VDX6

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