Recombinant Mouse Pomgnt2 Protein, Myc/DDK-tagged

Cat. No. Pomgnt2-5010M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length protein O-linked mannose beta 1,4-N-acetylglucosaminyltransferase 2 (Pomgnt2), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	O-linked mannose beta-1,4-N-acetylglucosaminyltransferase that transfers UDP-N-acetyl-D-glucosamine to the 4-position of the mannose to generate N-acetyl-D-glucosamine-beta-1,4-O-D-mannosylprotein. 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.
Molecular Mass	66.7 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.

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Concentration	>50 μg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name	Pomgnt2 protein O-linked mannose beta 1,4-N-acetylglucosaminyltransferase 2 [Mus musculus (house mouse)]
Official Symbol	Pomgnt2
Synonyms	Pomgnt2; protein O-linked mannose beta 1,4-N-acetylglucosaminyltransferase 2; Ago61; Gtdc2; C85492; protein O-linked-mannose beta-1,4-N-acetylglucosaminyltransferase 2; glycosyltransferase; glycosyltransferase-like domain containing 2; glycosyltransferase-like domain-containing protein 2; EC 2.4.1.312
Gene ID	215494
mRNA Refseq	NM_153540
Protein Refseq	NP_705768
UniProt ID	Q8BW41

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