

## Product datasheet for **TP509097**

### Pomgnt2 (NM\_153540) Mouse Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins

**Description:** Purified recombinant protein of Mouse protein O-linked mannose beta 1,4-N-acetylglucosaminyltransferase 2 (Pomgnt2), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug

**Species:** Mouse

**Expression Host:** HEK293T

**Expression cDNA Clone or AA Sequence:** >MR209097 representing NM\_153540  
**Red**=Cloning site **Green**=Tags(s)

MHLSAVFNALLVSVLAAVLWKHVRLREHAATLEEEELALGQQSLDPVLGLKIDYPKALQILMEGGTHMVCT  
GRHTDRICRFKWCYSNEAEEFFHGNSSVMLPNLGSRRFPALLDLSTVEDHNAQYFNVELPAAAL  
RFMPKPVFVDPVALIANRFNPDNLMHVFHDDLPLFYTLRQFPGLAQEARLFFMEGWGEGAHFDLYKLLS  
PKQPLLRAQLKTLGRLLCFSHAFVGLSKVTTWYQYGFVQPQGPKANILVSGNEIRQFTRFMTERLNVSHA  
GAPLGEEYILVFSRTQNRLLNEAELLELAQEFQMKTVTVSLEDHTFADVRLVSNASMLVSMHGAQLV  
TALFLPRGATVVELFPYAVNPDHYTPYKTLATLPGMDLQYVAWRNMIRENTVTHPERPWDQGGITHLDRA  
EQARILQSREVPRLCCRNPEWLFRIYQDTRVDIPSLMQSIRRVVKGRPGRRQRWAIPLYGKVREARC  
QASVQGATEARLSVSWQIPWNLKYLKVREVKEYEVLQEQGENTYVPYMLTLQNHTFTENIKPFTTYLVVV  
RCIFNRSLLGPFADVLVCST

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Tag:** C-MYC/DDK

**Predicted MW:** 66.7 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.



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RefSeq: [NP\\_705768](#)

Locus ID: 215494

UniProt ID: [Q8BW41](#)

RefSeq Size: 2369

Cytogenetics: 9 F4

RefSeq ORF: 1740

Synonyms: Ago61; C85492; Gtdc2

**Summary:** O-linked mannanose beta-1,4-N-acetylglucosaminyltransferase that transfers UDP-N-acetyl-D-glucosamine to the 4-position of the mannanose to generate N-acetyl-D-glucosamine-beta-1,4-O-D-mannosylprotein (By similarity). Involved in the biosynthesis of the phosphorylated O-mannosyl trisaccharide (N-acetylgalactosamine-beta-3-N-acetylglucosamine-beta-4-(phosphate-6-)mannanose), a carbohydrate structure present in alpha-dystroglycan (DAG1), which is required for binding laminin G-like domain-containing extracellular proteins with high affinity (PubMed:24256719).[UniProtKB/Swiss-Prot Function]