

Product datasheet for **MC201045**

Pomgnt1 (NM_026651) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pomgnt1 (NM_026651) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pomgnt1
Synonyms:	0610016I07Rik; 4930467B06Rik
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC011201 sequence for NM_026651
 GCGGGGCCGGGGCCCTGAGCCTCCCCTCAGATTCTGAAGTCATGGACTGGCCGGGACAGGGGTGACT
 CCCTAATCCAGTATGGATGACTGGAAGCCAGTCCCCTCATCAAGCCCTTTGGGGCTAGGAAGAAACGGA
 GCTGGTACCTTACCTGGAAGTATAAACTGACAAACCAGCGGGCCCTGAGGAGATTCTGTGACAGAGGGGC
 TGTGCTTTTCTGCTGGTACCCTCATTGTCAACATCAAGTTGATCCTGGACACTCGGAGAGCAATCAGC
 GAGGCCAATGAAGACCCAGAACCAGAGCAAGACTATGATGAGGCCCTAGGACGTCTGGAGTCCCCTCGGC
 GCAGAGGCAGCAGTCCCAGCGGTGCTGGATGTGGAAGTATACTCCAGTAGAAGCAAAGTGTATGTGGC
 TGTGGATGGCACCACGGTCTCGAGGATGAAGCCCGGGAGCAGGGCCGAGGCATCCATGTATAGTCCTC
 AACAGGCCACGGGCCACGTGATGGCAAAGCGCTGTTTGACACATACTCTCCTCATGAGGATGAGGCCA
 TGGTGCTGTTCTCAACATGGTGGCCCCCGCCGCTGCTGATCTGCACGGTGAAGGATGAGGGTTCCTT
 CCACCTCAAGGACACAGCAAAGGCTCTGCTGAGGAGCCTGGGAAGTCAGGCAGGCCCTGCCCTTGGCTGG
 AGGGACACCTGGGCCTTCGTGGGACGAAAAGGAGGTCTGTACTTGGCGAGAAACATTCTAAATCTCCTG
 CCCTCTCCTCTGGGTGACCCAGTCTGCTGAAGACAGATGTGCCACTGAGCTCAGCTGAAGAGGCTGA
 GTGCTACTGGGCAGATACGGAGTTGAACCGCCCGCCGAGGCGCTTCTGCAGCAAAGTGGAGGGCTACGGG
 AGCGTGTGCAGCTGCAAGGACCCGACGCTATTGAGTTACGCCCTGACCCACTTCCAGACAATAAGTCC
 TCAATGTGCCTGTGGCTGTCATTGCAGGAACCGGCCAATTACCTGTACAGGATGCTGCCTCTCTGCT
 CTCAGCCCAAGGGTATCTCCACAGATGATAACGGTCTTCATTGATGGCTACTATGAGGAGCCAATGGAT
 GTGGTGGCGCTGTTTGGTCTGAGAGGCATCCAGCATACTCCTATCAGCATCAAGAACGCCGTGTGTCTC
 AGCACTACAAGGCCAGCCTCACTGCCACTTTCAACCTGTTTCCGGAGGCCAAGTTTGTGTGGTTCTGGA
 AGAGGACCTGGACATTGCCGTGGATTTTTTTCAGTTTCTGAGCCAGTCCATCCACCTGCTGGAGGAAGAT
 GACAGCCTGTACTGCATCTCTGCCTGGAATGACCAGGGGTATGAACACACAGCTGAGGATCCAGCACTAC
 TGTACCGTGTGGAGACCATGCCCTGGGCTAGGATGGTGTCTCAGGAAATCTTTATACAAGGAGGAGCTTGA
 GCCCAAGTGGCCACACCAGAAAAGCTGTGGATTGGGACATGTGGATGCGGATGCCGGAACAGCGCCGG
 GGCCGAGAGTGTATCATCCCGGATGTTTCCCGATCCTACCACTTTGGCATCGTCCGCTCAACATGAACG
 GCTACTTTCATGAGGCCTACTTCAAGAAGCACAAGTTCAACACAGTTCAGGTGTCCAGCTCAGGAATGT
 AGACAGCTGAAGAAAGAAGCTTATGAAGTGGAAATTCACAGACTGCTCAGTGAAGCCGAGGTTTTGGAC
 CACAGCAAGGACCCTTGTGAAGACTCCTTCTGCCAGACACGGAGGGCCACACCTATGTGGCGTTTATCC
 GAATGGAGACAGATGACTTCGCCACCTGGACTCAGCTTGCCAAGTGCCTCCATATTTGGGACCTGGA
 TGTTCTGTGGCAACCACCGGGCCTGTGGAGATTATTTCCGAAGAAGAACCCTTTTTGGTGGTGGGGTCTC
 CCAGCCTCCCCTTACTCAGTGAAGAAGCCACCATCAGTACCCCTATTTTCTGGAGCCACCCCCAAGG
 AAGAAGGAGCCCCAGGGGCTGTGAACAAACGTGAAGCCTCCTCCAGGACTCTGCAGGGCTGGGTACTGT
 GTACCCCCAGACAGGCTAGCCCGTTGCCCTACCCTGTAGGATTTAGTAGATGCTGGTAGGGGTAGGGCTG
 GTTTGTTTTTAACATGGAATTAATTAATAACTCCAAGGGGAAGGATCCCCTGCCCAACACCCCTATTC
 CTGAGTTAAAGTCTATTTATTTACTTCTTGTCAAAGAAGAGCAGGAGAGTTCCAGGACCTCTTTGGG
 ATCCCTGGGTAGCTGATCCACTTTTTATACCCTGTCCCTCCCAGGCCTGGCTCAGAACCTATTTATTGA
 CTGTCTGGGGCCTTGGGAATAGGCCAACCCGGGGCCTTTATTCCTCTCTGGACCAGGATGCTGCCCT
 GAGGGTGGGACTGGCTCATACTCAGGAAAAGTGTGTGCCCAACTGATGGACAGGCCCATATGGGGTCCA
 TGTGCTGACAGACTCACACAGAGACCTTAGACACTGGACCAGGTCTCCTCTTAGCCTTCTCTTTGTCCA
 GATTTCCAAAACCTGGATAAAGATGGTCATTGATTAATAAAGAAAGAAAACCAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_026651

Insert Size: 1983 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [BC011201](#), [AAH11201](#)

RefSeq Size: 2656 bp

RefSeq ORF: 1983 bp

Locus ID: 68273

UniProt ID: [Q91X88](#)

Cytogenetics: 4 D1

Gene Summary: Participates in O-mannosyl glycosylation by catalyzing the addition of N-acetylglucosamine to O-linked mannose on glycoproteins. Catalyzes the synthesis of the GlcNAc(beta1-2)Man(alpha1-)O-Ser/Thr moiety on alpha-dystroglycan and other O-mannosylated proteins, providing the necessary basis for the addition of further carbohydrate moieties. Is specific for alpha linked terminal mannose.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).