

Product datasheet for **MC219025**

Galnt13 (NM_173030) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Galnt13 (NM_173030) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Galnt13
Synonyms:	A230002A12; A230020F20; BB182356
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC219025 representing NM_173030
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAGGAGATTTGTCTACTGCAAGTGGTTCTGGCCACTTCTCTGATGTGGGTGCTTGTGTATGTCTTCT
 TACTCCTGTACTTCAGCGAGTGAACAAGTGTGATGACAAGAAGGAGAGATCCCTGCTGCCTGCGCTGAG
 GGCTGTTATTTCAAGAAACCAAGAAGGTCCAGGAGAAATGGGAAAGGCTGTGCTTATCCAAAAGATGAC
 CAAGAGAAAATGAAAGAGTTGTTAAAAATCAATCAGTTTAACTCATGGCCAGTGACTTGTATCGCACTTA
 ACCGAAGTCTGCCGATGTGAGATTAGAAGGATGCAAGACTAAAGTCTACCCTGATGAACTTCCAAACAC
 AAGTGTAGTCATTGTGTTCCATAATGAAGCTTGGAGCACTCTACTTAGAACTGTCTATAGTGTCAAAAT
 CGCTCCCCACACTACCTGCTCTGAGGTCATCTGGTTGATGATGCCAGTGAAGAGATTTTCTCAAGT
 TGACATTAGAGAACTACGTGAAAACCTTTAGAAGTCCAGTGAAGATTATCAGGATGGAAGAGCGCTCTGG
 GTTAATACGCGCCCGTCTCCGAGGAGCAGCAGCTTCAAAGGACAGGTCATAACTTTTCTGGATGCACAC
 TGGCAGTGCACCTTAGGATGGCTGGAGCCCTTGTGGCGAGAATAAAGGAAGACAGGAAAACAGTTGTGT
 GCCCGATCATTGATGTTATTAGTGTGATACGTTTGTGATACATGGCTGGGTGAGACATGACTTATGGTGG
 TTTCAACTGGAAGCTAAATTTCCGATGGTATCCTGTCCCTCAAAGAGAAATGGATAGGAGAAAAGGAGAC
 AGGACATTACCTGTCAGGACCCCTACTATGGCTGGTGGCCTATTTTCTATTGACAGAAACTACTTTGAAG
 AGATAGGAACTTACGATGCAGGAATGGATATCTGGGGTGGAGAGAATCTTGAAATGTCTTTTAGGATCTG
 GCAATGTGGAGGTTCTTTGGAGATTGTGACTTGCTCTCATGTCCGTCATGTTTTTCGAAAGGCAACTCCA
 TACACATTCCTGGTGGCACTGGCCATGTCATTAACAAGAACAACAGAAGACTGGCAGAAGTGTGGATGG
 ATGAATCAAAGATTTCTTATATCATATCCCCAGGTGTTGTCAAAGTGGATTATGGAGATGTGTCAGT
 CAGAAAAACACTGAGGGAAAATCTGAAGTGAAGCCTTTTTCTTGGTACCTGGAAAAACATCTATCCGGAC
 TCCAGATCCCAAGACGTTATTACTCACTTGGTGAATACGAAATGTTGAGACCAATCAATGCTTAGATA
 ACATGGGCCGCAAGAAAATGAAAAAGTGGGTATCTTCAACTGTCACGGCATGGGAGGTAACCAGGTGTT
 TTCTTACTGCTGACAAAGAAATCCGAACTGACGACTTGTGCCTGGATGTATCCAGACTCAGTGGCCCT
 GTAATCATGCTAAAATGCCACCACATGAGAGGAAATCAGCTGTGGGAATATGACGCTGAGAGACTCACTT
 TGAGACATGCTAACAGTAACCAATGTCTTGATGAACCTTCTGAAGAAGACAAAATGGTGCCTACCATGCA
 GGACTGCAGTGGCAGCAGATCCCAACAATGGCTGCTGAGGAACATGACCTTGGGGACATGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_173030

Insert Size: 1671 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: [NM_173030.2](#), [NP_766618.2](#)

RefSeq Size: 6966 bp

RefSeq ORF: 1671 bp

Locus ID: 271786

UniProt ID: [Q8CF93](#)

Cytogenetics: 2 C1.1

Gene Summary: Catalyzes the initial reaction in O-linked oligosaccharide biosynthesis, the transfer of an N-acetyl-D-galactosamine residue to a serine or threonine residue on the protein receptor. Has a much stronger activity than GALNT1 to transfer GalNAc to mucin peptides, such as Muc5Ac and Muc7. Able to glycosylate SDC3. Probably responsible for the synthesis of Tn antigen in neuronal cells.[UniProtKB/Swiss-Prot Function]