

Product datasheet for **MC218996**

Galnt16 (NM_001081421) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Galnt16 (NM_001081421) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Galnt16
Synonyms:	5730405L21Rik; AI415388; Galnt11; mpp-GalNAc-T16
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC218996 representing NM_001081421
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGGAAGATCCGCGCCAATGCCATCGCCATCCTGACCGTAGCCTGGATCCTGGCACTTTCTACTACT
 TATGGCAGGACAACCGAGCCCATGCAGCATCCTCCAGCGCCGCGCGCAGAGGGCCGGCGGAGACC
 AGAGCAGCTCCGCGAGGACCGCACCATTCGCTCATTGTGACAGGAACACCCTCAAAGGGCTTTGATGAG
 AAGGCGTACCTGTGAGCAAGCAGCTGAAGCCTGGAGAGGACCCATACAGACAACATGCCTTCAACCAAC
 TGGAGAGTGACAACTGAGCTCAGACCGACCCATCAGGGACACCCGCCATTACAGTTGCCATCCTTGTC
 CTATTCTCGGACCTGCCGGCCACCAGTGTATCATCACCTTCCACAACGAGGCTCGCTCCACACTCCTG
 CGCACAGTGAAGAGCGTCTGAACCGAAGTCTGCCAGCTTGATCCAGGAGATCATTTTAGTGGATGACT
 TCAGTTCCGGATCCTGAAGACTGTTTGTCTGACCAGGATCCCCAAGGTCAAGTGCCTTCGCAATGACAA
 ACGGGAAGGACTGATCCGGTCCCGGGTTCGTGGGGCAGATGTGGCAGGAGCCACAGTTCTACTTTTCTG
 GATAGTCACTGTGAGGTGAATGTGGAGTGGCTGCAGCCAATGCTGCAGCGGGTATGGAGGACCACACCC
 GTGTGGTGAGCCCCATCATCGACGTCATCAGCTTGGACAATTTGCCTACCTTGACGATCTGCAGATCT
 TCGAGGAGGGTTTACTGGAGTCTGCATTTCAAGTGGGAGCAGATCCCGCTGGAGCAGAAGATGACCCGG
 ACTGACCCCACTAAACCCATCAGGACACCTGTTATAGCTGGAGGAATCTTCGTGATTGACAAGTCTCGGT
 TTAACCATCTGGGAAAGTATGATGCCAGATGGACATCTGGGGAGGAGAGAATTTTGAAGTCTCCTTCAG
 GGTATGGATGTGTGGTGGCAGCTTGGAGATTGTGCCCTGCAGCCGAGTGGGCCATGTCTTCAGGAAGCGG
 CATCCCTACAACCTCCCGAGGGCAATGCCCTCACCTATATCAGGAATACAAAGCGAAGGCAGAGGTGT
 GGATGGACGAGTACAAACAGTATTATTATGAGGCCCGGCCCTCAGCCATCGGGAAGGCCTTTGGCAGTGT
 GGCCACGCGGATCGAGCAGAGGAAGAAGATGGACTGTAAGTCTTCCGCTGGTACCTGGAGAACGTCTAT
 CCCGAGCTCACTGTCCCGTGAAGGAAGTCTCCCTGGTGTCTTAAGCAAGGAGTTAAGTCTTAGAAT
 CCCAAGGCCAGAACACAGCTGGTACCTCCTGCTTGAATGGGGATATGCAGAGGGTCCAGCAAGAGCCC
 ACCACCAGCCCAGGCATGGTTATTTAGCGATCACCTTATCCAGCAGCAGGGGAAATGCCTGGCTGCCACC
 TCCACCTTAATGTCTTCCCTGGATCCCAGTCATACTGCAAACGTGTAACCCTAAAGAAGGCAAGCAGA
 AATGGAGAAGGAAAGGATCTTTTCATCCAGCATTAGTCAAGCGCCTCTGCCTGGAGACAAAGCCTGCCCA
 GCTGGTGACCAGCAAATGTCAGACAGATGCCAGGCCAGCAATGGCAGCTGCTGCCACACACATGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_001081421

Insert Size: 1677 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_001081421.1](#), [NP_001074890.1](#)

RefSeq Size: 3920 bp

RefSeq ORF: 1677 bp

Locus ID: 108760

UniProt ID: [Q9J161](#)

Cytogenetics: 12 C3

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. [UniProtKB/Swiss-Prot Function]