

Product datasheet for **MC218839**

Galnt14 (NM_027864) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Galnt14 (NM_027864) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Galnt14
Synonyms:	0610033M06Rik
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

Fully Sequenced ORF: >MC218839 representing NM_027864
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCGCGGCTGACTCGCCGCTTGGCGCTGCCATCTTTGGGGTCTCTGGATCACCGTACTGCTGTTCT
 TCTGGGTACCAAGAGGAAGTTGGAGGTGCCGCTGGGACCCGAAGTGCAGACCCCAAGCCTCCGATGC
 GGACTGGGATGACCTGTGGGAGCAGTTTGTATGAGCGGCGGTATCTGAATGCCAAAAAGTGGCGTGTCCGT
 GATGATCCCTACAACTGTATGCTTTCAACCAACGGGAGAGTGAGCGGATATCGACAACTCGGGCTGTC
 CAGACACAGTCATAAGAGATGTTGCTGCTTGTGATTGACCGACCTTCTCCACCAGCATCATCAT
 CACCTTCCACAACGAGGCACGTTCCACTCTACTCAGAACCATCCGCAGTGTGTTAAACCGAACCCCTATG
 CATCTGATCCAGGAAATCATATTAGTGGATGACTTTAGCAATGACCCCGAGGACTGCAAGCAACTCATCA
 AATTGCCCAAGGTGAAGTCTTGCACAACATGAGCGCAAGGTCTGGTCCGGTCTCGGATGCGAGGTGC
 TGACATTGCCAAGGCACCACTTGACCTTCTGGACAGCCATTGTGAGGTGAACAGGGATTGGCTGCAG
 CCCTGTTACACAGGGTCAAAGAGGACTACACAAGGGTGTGTGCCCTGTGATTGACATCATTAACCTGG
 ATACCTTCAACTATATTGAGTCTGCCTCAGAGCTCAGAGGGGGCTTTGACTGGAGCTGCACTTCCAGTG
 GGAGCAGCTCTCCCTGGAGCAGAAAGCTTTGCGCCTAGACCCTACTGAGCCCATCCGGACTCCAATCATA
 GCCGGAGGGCTCTTCGTGATCGACAAAGCCTGGTTCGATTACCTGGGTAATATGACGTCGACATGGACA
 TCTGGGGTGGGGAGAAGTTTGAATCTCTTCCGAGTGTGGATGTGTGGAGGTGGCTGGAGATCATCCC
 TTGCAGCCGGTGGGACATGTCTTCAGAAAAAGCATCCTTATGTTTTCCCGATGGGAACGCCAACACA
 TATAAAGAACCAAGAGGACAGCTGAAGTATGGATGGATGAATACAAGCAGTACTACTATGCAGCTC
 GGCTTTTGCCTGGAGAGACCCTTTGAAACATTGAGAACAGGCTGAACCTGAGGAAGAATCTTCACTC
 CCAGACCTTCAAGTGGTACCTAGAGAATGTCTACCCAGAAGTCCAGGTCACCCAGACTCCTCCATCCAG
 AAGGGCAATATCCGCGCAGCGCAGAAAGTGCCTTGAAGTCTCAAAAGCAGAAAAAACAGGAGATTCTCAGGC
 TAAGTCCCTGTGCCAAGGTCAAAGGAGATGGAGCAAAGTCTCAGGTGTGGCCTTACATACACCCAGCA
 GATCATCCAAGAAGAGCTGTGCCTGTCCGTGGTACCCTGTTTCTGGTGCCTCCGTTCTTGTCTCTA
 TGCAAGAATGGGGATGAAAGGCAGCTATGGACCAAGACTGGTGCCTCAATTGAGCACATAGCATCTCACC
 TCTGCCTGGATACAGACATGTTTGGTGCAGCACCAGGATGGCAAGGAGTCTGTGCAACCTTGTGA
 GTCGTCGCTCATGAGCCAGCACTGGGACATTGTGAGCTCA**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_027864

Insert Size: 1653 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_027864.2](#), [NP_082140.2](#)

RefSeq Size: 2467 bp

RefSeq ORF: 1653 bp

Locus ID: 71685

UniProt ID: [Q8BVG5](#)

Cytogenetics: 17 E2

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. Displays activity toward mucin-derived peptide substrates such as Muc2, Muc5AC, Muc7, and Muc13 (-58). May be involved in O-glycosylation in kidney (By similarity).[UniProtKB/Swiss-Prot Function]