

Product datasheet for **MC219856**

Galnt6 (NM_172451) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Galnt6 (NM_172451) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Galnt6
Synonyms:	4632410F13; AW047994; GalNAc-T6
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC219856 representing NM_172451
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGGTTGCTACGAAGCGCCACATGTCCTGCGCCTCGCCATGCTGGGACGCTCTTCATGCTCTTCC
 TCTTCATTCGGCAGAAGGATGTAAGCAACCAGGAGCAGGCCATGGAGAAACCGTGGCTGAAGTCCCTGGC
 TGGCCAGAAGGACCAGGTCCTGGACTTCATGCTAGGTGCTGTGAACAACATTAGGACGTCATGCCTAAG
 CTGCAGATCCGGGCTCCAGAACCGCCTCAGACTCTGGTCTCCACAAACCACTCCTGCCTGCCCGGTTCT
 ACACCCCTGCTGAGCTGAAACCTTCTGGGACCGCCACCTCAAGATCCCAACAGCCCTGGGGCAGATGG
 AAAAGCATTTCAGAAGAAAGAATGGACCAATCTAGAGACCAAAGAAAAGGAAGGCTATAAGAAACAC
 TGCTTTAATGCATTTGCCAGTGACCGCATCTCCTTGACAGAGTCCCTGGGGCCAGACACCCGGCCTCCTG
 AGTGTGTTGACCAGAAGTCCGGCGCTGCCGCCACTGCCACCACCAGCGTGATCATTGTGTTCCACAA
 CGAAGCCTGGTCCACTCTGCTGCGCACAGTATACAGCGTCTGCACACCAGCCCTGCCATCTTGCTGAAG
 GAAATCATCCTCGTGGATGACGCCAGCAGATGAGCACCTGAAGGAGAGGCTGGAGCAGTACGTTCAAGC
 AGCTGCAGATCGTGCGCGTGGTTGCGCAGCGGGAGCGGAAGGGGCTCATCACAGCCAGGCTGCTGGGGG
 CAGCGTGGCGCAGGCAGAGGTGCTCACGTTCTGGACGCCACTGTGAGTGTTCACGGCTGGCTGGAG
 CCCCTCTGGCTCGAATTGCTGAAGACAAGACAGCGGTGGTGAGCCAGACATCGTCACCATCGACCTTA
 ATACCTTCCAATTCTCCAGACCAGTACAGAGAGGCAAAGCCACAGCCGGGGCAACTTCGACTGGAGCCT
 GACCTTCGGCTGGGAAATGCTTCCTGAGCAGGAGAAGCAGAGACGCAAGGATGAGACCTACCCATCAAG
 TCCCGACGTTTCCGGCGGCCCTCTTCTCCATCTCCAAGGCCACTTTGAGCACATCGGTACCTATGATA
 ACCAGATGGAGATCTGGGAGGGGAGAATGTGGAATGTCTTCCGGGTGTGGCAGTGTGGGGCCAGCT
 GGAATAATCCCTGCTCGGTGGTCCGGCACGTGTTCCGTACCAAGAGTCCCCACACCTTCCCAAGGGC
 ACCAGTGTATTGCGCGCAATCAGGTGCGCCTGGCTGAGGTCTGGATGGACGACTATAAGAAGATTTTCT
 ACAGGAGAAATCTGCAGGCAGCAAAGATGGTCCAGGAGAACAACCTCGGTGACATCTCGGAGCGACTTCG
 GCTCAGGGAGCAGCTACGATGCCACAACCTCTCCTGGTACCTGCACAATGTCTACCCAGAGATGTTTGT
 CCCGACCTGAACCCACCTTCTATGGAGCCATCAAGAATCTTGGACCAATCAGTGTGGAGCTGGGGC
 AGAACAACCGGGAGGAAAGCCTCTCATCATGTATGTCTGCCACAACCTCGGCGCAATCAGTACTTTGA
 GTACACATCACAGAGGGACCTCCGCCACAACATGGAAAGCAGCTGTGTCTACATGCCAGTGGGAGCAG
 CTGGCCTTAGGAGCTGTAGTTCGTTGGCAAAAACAGCAGAGTGCCCAAGGACGAGGAGTGGGAATTGA
 CCCAGGATCAACTCATCAGAAACTCAGGATCTGGTACCTGCCTGACATCCAGGACAAAAAGCCAGCCAT
 GGCCCCGTGAATCCAGGGATCCCTACCAGCTCTGGCTGTTGT**CTAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI

ACCN: NM_172451

Insert Size: 1869 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_172451.3](#), [NP_766039.2](#)

RefSeq Size: 5711 bp

RefSeq ORF: 1869 bp

Locus ID: 207839

UniProt ID: [Q8C7U7](#)

Cytogenetics: 15 F1

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. May participate in synthesis of oncofetal fibronectin. Has activity toward Muc1a, Muc2, EA2 and fibronectin peptides (By similarity).[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1-3 encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.