

## Product datasheet for **MC222722**

### **Galnt5 (NM\_172855) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Galnt5 (NM_172855) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Galnt5
Synonyms:	4832424J23
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC222722 representing NM\_172855  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAACAAGATCCGAAAGTTTTCCGAGGAAGTGGCGAGTCTTGGCATTATATTTGCAGCGTCTGTCA  
 TCTGGTTGCTCTTTGACATGGCAGCTCTCCGCCTCATTCAAGTGAAGTCAACGCAGGGCTACTCAAAGA  
 AGATATCATAAGGAGGGAACATACGGGATTGAGAGTTCAGAGTTCAGCCAGACCAAGTGAAGTCTTTACACCAGC  
 ATCAGAGGGATGGGGCTGCCTCGGAATGGAGCGTGGGGTAAGGAGAACTTTAGAAAAGCTGAGAACCATG  
 AACTCAAGGTTGAGGAGAATATGGACCAAGTCCAGAGGAAAGGGAAAAATGCAGAACCTCTGGGAAGGAG  
 AAAGGCTGTGCCTTTGTGGCATCTTGACATCTGCAAACCCTCCCAGTGACAATCCCATGCAGAAGACC  
 CAGGGGAGAGATAGCAAGCTGAAGTCTCCTCCAATACATGATGTCCAAGTGGATGACAGTGTAGAGT  
 CTGAGAAGACCCATTACAGCTTCAAGAGGAGTCCATTGACCAAAAATAGCAGGACGTACAGAAACCTT  
 CGATAAAAAACAAGAGGCCCCCAAAATATAATGTCAGCAGCGATACATCAAAGCAAGCATCTGAAAGG  
 ACCCTGAATATGACCATCAGTGTCAAGACTGATAGATCAAAGCAAAAATCACAGACAGTAACAAAATTTGA  
 GGATGCACCTTTGCCAGCCACCAATCCTGAAATCTGAGGAAGTCACAGTCATAAAAGAAAGCTGAGGCTCA  
 GAGCAAAGACCTAAAACATGAAGCCCTAAAGCGCTACCACTTCTTAAGTTCATTGCAGATATGGGTCAT  
 TTAAGAACAATCTACAAATGAGACACAGTGGGAAGATTGCCAGAAGATGATGCAGCCAAAGTGGCGC  
 CAGGGAAGAACTTAATTTCTCTGAAAGTCATGTTGTGATTATAACTAAAGAGGAAGAACTGAAGACAGA  
 CACCAAAGAGGTACCTAATTTCTAAAACCAAACTGTGTTTCTAAATTAAGTGGTGGAAAGTCCACATAAA  
 CAAATCCCAGAAATCAAAGCAAGACGTATCCTCTCCCCAGCTCTGAAGAAAGCAGTGTCTCAGTCCA  
 AGCCACCATATCTGGGGACTCCATACAGCAAGAAGCAACTTGACTGCCAAGGCTCCAAGTCCAACTGAGGTA  
 CCAGCAAAGCCATGCAAATATCCCTGAAAACCCCTGGAATGCACCACGTGTTGAGAATTGATGTGACCCTT  
 TCTCAAGGGATCTCAATGCTCCGGTCAAGTTGGGCGCCCTGTGTTGTTCCCCCTGAGAAGAAGAAAGG  
 AGGCCGAGCAGAGATGGAAGAAGGAACTTCAATGTCTACCTTAGTGATTTGATTCCAGTGGACAGAGC  
 CATTGAAGACACAAGGCCTGCTGGGTGTGCAGAGCAACTAGTTCACAATGACCTCCCAACCACAGCATC  
 ATCATGTGCTTTGTAGATGAGGTGTGGTCCGCTCTACTGAGGTCTGTGCACAGCGTCTCAACCGCTCCC  
 CTCCACACCTCATCAAGGAGATTCTGCTGGTGGATGACTTCAGCACCAAGAATACCTCAAAGCTGATTT  
 GGATAAATACATGTCTCAATTTCCAAAAGTTCGGATTCTTCGCCTGAAGGAGAGACATGGCTTGATCAGA  
 GCGAGGCTGGCTGGGACACAGAACGCAACAGGTGATGTGCTGACATTCTAGACTCTCATGTGGAGTGT  
 ATGTGGGCTGGCTGGAACCTCTACTGAAAAGAGTTTATTTAAATAGAAAGAAAGTGGCCTGTCCAGTAA  
 TGAAGTCATAAATGACAAGGACATGAGTTACATGACAGTGGACAACCTCCAAAGAGGTGCTTCCACCTGG  
 CCCATGAACTTTGGCTGGAAAACAATCCCTCCAGATGTTGTTGCAAAAAATGGAATTAAGAAACAGATA  
 TAATAAGGTGCCAGTCATGGCAGGTGGATTATTTCCATTGACAAAAGTTACTTTTATGAACTTGGAAC  
 ATATGACCCTGGTCTTGATGTTTGGGGAGGAGAAAAATATGGAGCTATCATTCAAGGTCTGGATGTGTTG  
 GGTGAAATTGAGATCATCCCCTGTTCCAGAGTGGCCACATATCAGAAACGACAATCCATATTCCTTCC  
 CCAAAGACCGTATGAAGACAGTGGAAACGAACTGGTGGGGTTGCTGAGGTTTGGCTTGATGACTACAG  
 GGAACCTTCTATGGCCATGGGATCACCTCATAGACCAAGGGCTGGATGTGGCAACCTTACCCAGCAA  
 AGGGAGTTGCGGAAGAAGCTGAAATGCAAAAGTTTCAAGTGGTACTTGGACAATGTCTTTCTGACTTGA  
 AGGCGCCCGTTGTGAGAGCTAGTGGTGTGCTTATTAATATGGCCTTGGGCAAGTGCCTTTCCATTGAAAA  
 TATCACAGTACCCTCGAGGACTGCGATGGGAGCAGCCAGCTTCAACAATTAATATACCTGGGTAAGA  
 CTTATTAAGCACGGAGAGTGGTGTGTGGCACCCATCCCTGAAAAAGGATCCCTGACACTGTACCATTGTG  
 ACAACAGAAACAACAGGCTTAAATGGCTGCACAAATCAGCATCTGCCTTCCATCCAGAAGTGGTGGATCA  
 CATTGTTTTTAAAACTATCAGCAGTTATTATGTATGGAAGGGAATTTCTCTCAGAAGACCTGAAACTG  
 GCTGCTTGAACCAATGAACTGCAACAAAAGTGGAAATTTGAAAAATACTACGAAGCT**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

<b>ACCN:</b>	NM_172855
<b>Insert Size:</b>	2793 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_172855.3</a> , <a href="#">NP_766443.2</a>
<b>RefSeq Size:</b>	3247 bp
<b>RefSeq ORF:</b>	2793 bp
<b>Locus ID:</b>	241391
<b>UniProt ID:</b>	<a href="#">Q8C102</a>
<b>Cytogenetics:</b>	2 C1.1
<b>Gene Summary:</b>	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 activity toward EA2 peptide substrate, but has a weak activity toward Muc2 or Muc1b substrates (By similarity).[UniProtKB/Swiss-Prot Function]