

Product datasheet for **MC220193**

Galnt7 (NM_001167981) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Galnt7 (NM_001167981) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Galnt7
Synonyms:	A1225872
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC220193 representing NM_001167981
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAGGCTGAAGATCGGGTTCATCTTACGCAGTTTCTGGTGGTGGGAAGCTTCTGGGGCTCGTGGTCC
 TCTGGTCTTCCCTGTCTCGCGGCCGACGACCAGAGCCCACTGAGCAGGATGAGGGAAGACAGAGATGT
 CAATAACCCCTTGCCTAACCGAGGAGGCAATGGACTAGCTCTGGAGATGACAGATTCAAACCTGTGGTA
 CCATGGCCTCATGTTGAAGGAGTAGAAGTGGACTTAGAGTCTATTAGAAGAAAAACAAAGCCAAAAATG
 AACAGGAGCGCCATGCTGGAGGAGATCCAGAGAGACGTAATGCAGAGGCAGTACCTTACATTTAAGCC
 TCAGACCTTACCTACCGTATCTGTGCTACGCCAGGGGTCTCGGGAACCTTGAACCCAAAGAACC
 GAGCCTCACGGAGTGGTGGTGGCCCTGGAGAGAAAGCCAAGCCATTGGTTCTGGGACCAGAATACAAAC
 AAGCAGTTCAAGCCAGCATTAAAGGAGTTGGATTTAACATGGTGGCAAGTACATGATCTACTGGACCG
 CAGCGTCAATGACTTACGCCAAGAAGAATGCAAGTATTGGCACTATGATGAAAACCTGCTTACTTCAAGC
 GTTGTCATTGTCTCCATAATGAAGGATGGTCAACCCTCATGAGGACAGTCCACAGTGAATCAAAGGA
 CACCAAGGAAGTACTTAGCAGAAATCGTGTAAATTGATGACTTACGCAATAAAGAACACTTAAAAGAGAA
 ACTGGATGAGTATATAAAGCTATGGAATGGCCTCGTGAAGGATTTTCGAAATGAGAGAAGAGAGGGTTTG
 ATTCAGCTCGGAGCATTGGCGCACAGAAGGCTAAACTCGGACAGGTTTTGATATACCTTGATGCCCACT
 GTGAGGTGGCAGTTAACTGGTATGCTCCACTTGTAGCCCCATATCTAAGGACAGAGCTACATGACTGT
 GCCTCTAATAGATTACATAGACGGGAATGATTATCCATTGAACCACAGCAAGGTGGGGATGAAGATGGT
 TTGCCAGAGGGGCTGGGACTGGAGTATGCTATGGAAACGTATCCCACTAAGCCACAAGGAAAAGGCCA
 AAAGAAAGCATAAAAAGTACGCTTATCGGTCTCCAGCTATGGCGGGTGGATTGTTTCCATAGAGAAGGA
 CTCTCTTTCGAACTGGGTCTCTATGATCCTGGTCTCCAGATCTGGGGTGGTGAACCTTTGAAATTTCA
 TACAAGATCTGGCAGTGGGTGGCAAATGTTATTTGTGCCTTGTCTCGTGTGGGCACATCTACCGTC
 TTGAGGGCTGGCAAGGAAACCCCCACCCTTTACGTTGGCTCCTCTCCAACCTGAAGAATTATGTTAG
 AGTCGTGGAAGTCTGGTGGGATGAATAAAAGACTACTTCTATGCTAGCCGTCCTGAGTCAAAGGCGCTG
 CCCTACGGGGACATATCTGAGCTGAAGAAATTCGAGAAGATCACAACCTGCAAAAGTTTCAAGTGGTTTA
 TGGAAAGAAATCGCTTATGACATCACTGCCCACTACCCTTTGCCCCAGAAATGTCGAGTGGGGTGAAT
 CCGAGGCCCTGAAACTGCATACTGTATTGATAGCATGGGGAAGACGAATGGAGGCTTCGTGGAGCTAGGA
 CCCTGCCACAGGATGGGTGGGAACCAGCTTTCCGAATCAATGAAGCAAACCAGCTCATGCAGTACGACC
 AGTGTGTTGACAAAGGGGCTGATGGATCCAAGTCATGATCACACTGTAACTAAATGAATTTAAGGA
 ATGGCAGTACTTCAAGAGCCTGCACAGGTTTACGCACATCACTTCCGGAAAGTGCTTAGATCGATCGGAG
 GTCCTGCATCAAGTGTTTCATCTCCACCTGTGACTCCAGTAAAATGACTCAGAAGTGGGAGATGAATAACA
 TCCACAGTGTT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001167981
- Insert Size:** 1974 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:	<ol style="list-style-type: none">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:	<u>NM_001167981.1, NP_001161453.1</u>
RefSeq Size:	4363 bp
RefSeq ORF:	1974 bp
Locus ID:	108150
UniProt ID:	<u>Q80VA0</u>
Cytogenetics:	8 B2
Gene Summary:	<p>Glycopeptide transferase involved in O-linked oligosaccharide biosynthesis, which catalyzes the transfer of an N-acetyl-D-galactosamine residue to an already glycosylated peptide. In contrast to other proteins of the family, it does not act as a peptide transferase that transfers GalNAc onto serine or threonine residue on the protein receptor, but instead requires the prior addition of a GalNAc on a peptide before adding additional GalNAc moieties. Some peptide transferase activity is however not excluded, considering that its appropriate peptide substrate may remain unidentified (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) uses an alternate in-frame exon and lacks an alternate in-frame exon, compared to variant 1, and encodes isoform 2. Variants 1 and 2 encode proteins of identical length but use different exons to encode aa 323-383.</p>