

Product datasheet for **MC220192**

Galnt7 (NM_144731) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Galnt7 (NM_144731) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Galnt7
Synonyms:	AI225872
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC220192 representing NM_144731
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAGGCTGAAGATCGGGTTCATCTTACGCAGTTTCTGGTGGTGGGAAGCTTCCTGGGGCTCGTGGTCC
 TCTGGTCTTCCCTGTCTCGCGGCCGACGACCAGAGCCCACTGAGCAGGATGAGGGAAGACAGAGATGT
 CAATAACCCCTTGCCTAACCGAGGAGGCAATGGACTAGCTCCTGGAGATGACAGATTCAAACCTGTGGTA
 CCATGGCCTCATGTTGAAGGAGTAGAAGTGGACTTAGAGTCTATTAGAAGAAAAACAAGCCAAAAATG
 AACAGGAGCGCCATGCTGGAGGAGATCCAGAGAGACGTAATGCAGAGGCAGTACCTTACATTTAAGCC
 TCAGACCTTCACTACCGTGATCCTGTGCTACGCCAGGGGTCTCGGGAACCTTGAACCCAAAGAACCC
 GAGCCTCACGGAGTGGTGGTGGCCCTGGAGAGAAAGCCAAGCCATTGGTTCTGGGACCAGAATACAAAC
 AAGCAGTTCAAGCCAGCATTAAAGAGTTTGGATTAAACATGGTGGCAAGTGACATGATCTCACTGGACCG
 CAGCGTCAATGACTTACGCCAAGAAGAATGCAAGTATTGGCACTATGATGAAAACCTGCTTACTTCAAGC
 GTTGTCATTGTCTCCATAATGAAGGATGGTCAACCCTCATGAGGACAGTCCACAGTGTAATCAAAAGGA
 CACCAAGGAAGTACTTAGCAGAAATCGTGTTAATTGATGACTTCAGCAATAAAGAACACTTAAAGAGAA
 ACTGGATGAGTATATAAGCTATGGAATGGCCTCGTGAAGGTATTTGAAATGAGAGAAGAGAGGGTTTG
 ATTCAGCTCGGAGCATTGGCGCACAGAAGGCTAAACTCGGACAGGTTTTGATATACCTTGATGCCCACT
 GTGAGGTGGCAGTTAACTGGTATGCTCCACTTGTAGCCCCATATCTAAGGACAGAACCTTTGCACTGT
 GCCGATTATAGATGTATAAGCGGCAACACATATGAAATTATACCCCAAGGGGTGGTGATGAAGATGGG
 TATGCCCGAGGAGCATGGGACTGGAGTATGCTCTGGAACGGGTGCCTCTGACCTCTCGAGAGAAGAGAC
 TGAGAAAGACAAAACTGAGCCGTATCGGTCTCCAGCTATGGCGGGTGGATTGTTTGCCATAGAGAAGGA
 CTTCTTCTTCGAACTGGGTCTCTATGATCCTGGTCTCCAGATCTGGGGTGGTGAACCTTTGAAATTTCA
 TACAAGATCTGGCAGTGCAGTGGCAAAATTGTTATTTGTGCCTTGTCTCGTGTGGGCACATCTACCGTC
 TTGAGGGCTGGCAAGGAACCCCCACCCCTTTACGTTGGCTCCTCTCCAACCTGAAGAATTATGTTAG
 AGTCGTGGAAGTCTGGTGGGATGAATATAAAGACTACTTCTATGCTAGCCGTCTGAGTCAAAGGCGCTG
 CCCTACGGGGACATATCTGAGCTGAAGAAATTCGAGAAGATCACAAGTCAAAAGTTTCAAGTGGTTTA
 TGGAAGAAATCGCTTATGACATCACTGCCCACTACCTTTGCCCCCAGAAATGTCGAGTGGGGTGAAT
 CCGAGGCCTGAAACTGCATACTGTATTGATAGCATGGGAAGACGAATGGAGGCTTCGTGGAGCTAGGA
 CCCTGCCACAGGATGGGTGGGAACAGCTTTTCCGAATCAATGAAGCAAACAGCTCATGCAGTACGACC
 AGTGTGTTGACAAAGGGGCTGATGGATCCAAAGTCATGATCACACACTGTAACTAAATGAATTTAAGGA
 ATGGCAGTACTTCAAGAGCCTGCACAGGTTTACGCACATCACTTCCGGAAGTGCTTAGATCGATCGGAG
 GTCCTGCATCAAGTGTTTCATCTCCACCTGTGACTCCAGTAAATGACTCAGAAGTGGGAGATGAATAACA
 TCCACAGTGTT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_144731

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:	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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_144731.4, NP_653332.3</u>
RefSeq Size:	4363 bp
RefSeq ORF:	1974 bp
Locus ID:	108150
UniProt ID:	<u>Q80VA0</u>
Cytogenetics:	8 B2
Gene Summary:	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] Transcript Variant: This variant (1) represents the predominant transcript and encodes isoform 1. Variants 1 and 2 encode proteins of identical length but use different exons to encode aa 323-383.