

Product datasheet for **MC220021**

Galnt15 (NM_030166) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Galnt15 (NM_030166) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Galnt15
Synonyms:	4631401E18Rik; Galntl2; mpp-GalNAc-T15
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC220021 representing NM_030166
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGC**C

ATGCTCCCGAGGAAGCGACCCAGGAGTGGACGTTCCAGGCTTCAGTTCCTCTACTCTTCTGACTCTGG
 GATGTGTCTGATGATGGTGATCCTGCTGCATCCTCCCCGCCACCCTGCACCAGGCTGTACAGCTCA
 GGCCAGCAAACACAGCCCTGACACGGGGTACCGCTGGACTTTGGAGACTCTCAGGAGTGGGTCCTGGAG
 GCTGAGACTGAAGGTGATGAGTACAGTCTCTGGATGGCCTGCCATCCTTCATCTCCCTGCAGGAGGATC
 AACTGCTGGTGGCGTGGCCTACCCAGAGCTAGGAGGAGTCAAGCCAGGGCAGGAGACAGGGCAGCTA
 CCAGTTTCATCAAACACAGGAGCAGGAGATGGGATGAGGAAGCCCTGAAAAGGACTGGAGGACCGAAGAG
 GATGGGGAGGAATCAGAAGAGGTGCTGACCCCACTTGGCCCGGACTCAGATGGCCTCAACAAGCCACTCA
 GTGCCCGCTGCCCTGAGGAGAGTCTGCCCGAGGTGCGACCCCACTGTGTCTGCAGCAGCACCCCTAC
 AAGTGGCCTGCCTACAGCCAGCGTCATCCTCTGCTTCCATGATGAGGCCTGGCCACGCTCTTGAGAACT
 GTCCACAGCATCCTGGACACAGCACCCAGGGCCCTGCTGCAGGAGATCATCCTTGTAGATGACCTCAGCC
 AGCAAGAAGTGTGAAGTCTGCTCTCAGTGAATATGTGGCCAGGCTGGAGGCTGTGAAGTTGCTCAGGAG
 CAATAGGAGGCTCGGCACCATTTGGAGCCCGGATGCTGGGGGCCACCAGGGCCACAGGGGACGTGCTGGTC
 TTCATGGATGCCCACTGTGAGTGCCACCTGGTTGGCTGGAGCCCTCCTCAGCAGAATAGCTGATGACA
 GGAGCCGAGTGGTGTCTCCAGTCATAGACGTGATTGACTGGAAGACGCTTCAGTACTCCGCATCCAAGCT
 GCATCGAGGGACGCTGGATTGGAAGCTGGATTTCCGATGGAAGCCCTGGGGGAGCAGGAGCAGAAGGCC
 CTCCCATCCCCATCAGCCCTGTCAGGAGCCCTGTGGTACCCGAGAGGTGGTGGCGTGGACAGACATT
 ACTTCCAAAACACCGGAGCATACGATCCCCTTCTGCTACTGGGGGATAGTGAATACTCGAGATGTCTTT
 CAAGGCCTGGCTCTGCGGTGGCTCTGTTGAAATCCTTCCCTGCTCTCGAGTGGGACACATCTACCGAAGC
 CAAGATGCCAGCTCCAGGCCTGACCCCGAGGTGCGCTTGAAGAACAAGATCATCATTGCTGAGACCTGGC
 TATCATCCTTCAAGGAAACCTTCTACAGGCACATCCAGAGGCCTTACCCTGAGCAAGGTTGCAAAGCC
 AGACTGTACAGAGCGCTGAAGCTGAAAGGAGGCTGGGATGCCGGACGTTCCACTGGTTTCTGGCCAAT
 GTCTACCCTGAGCTGTACCCATCTGATCACAGGCCAGGTTCTCTGAAAGCTCCACAACACTGGATTTG
 GCCTCTGTGCGGACTGCCAAGCAGACGGTGACATCCTGGGCTGCCCCATGACACTGGCTCCTTGCACTAA
 CAACCGGCAGCAACAGAACCTGGAGCACACCGGCAGGAAGGAGATTCTCTCGGGGCCCCACAGCGCCTG
 TGCTTCGATGTGAGAGGAGGGCGGGTGATTCTGCAGAACTGCACGAGGAAGGCCCGCTATCCATCAGC
 AGCACTGGGACTTCCAGGAGGATGGAATGATCATCCATGTTCTTTCTGGAATAATGATGGAAGCTGGGGT
 CCAGCCAAGCAATAAGGACTTGTACTTGCCTCAATGTGATGGTAAACCAGCCAGCTGTGGAGGTTGAC
 CAGATCCACCCTGTGGATGAACGATGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_030166

Insert Size: 1917 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_030166.3, NP_084442.1</u>
RefSeq Size:	2341 bp
RefSeq ORF:	1917 bp
Locus ID:	78754
UniProt ID:	<u>Q9D2N8</u>
Cytogenetics:	14 B
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. Although it displays a much weaker activity toward all substrates tested compared to GALNT2, it is able to transfer up to seven GalNAc residues to the Muc5AC peptide, suggesting that it can fill vicinal Thr/Ser residues in cooperation with other GALNT proteins. Prefers Muc1a as substrate (By similarity).[UniProtKB/Swiss-Prot Function]