

## Product datasheet for **MG209072**

### Galnt4 (NM\_015737) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Galnt4 (NM_015737) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Galnt4
Synonyms:	AV011803
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>MG209072 representing NM\_015737  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGCCGTGAGGTGGACCTGGGCAGGCAAGAGCTGCCTGTGCTGGCCCTTTAACACTGGCTTATATTC  
 TGGTGGAGTTCTCAGTCTCCACTTTGTATGCCTCTCCAGGAGCCGGCGGTGCCAGGGAGCTGGGGCCAAG  
 GCGGCTCCCGACCTTGATACAAGGGAAGAGGATTTGTCTCAGCCTCTTTATATAAAGCCCCCTGCAGAT  
 TCCCATGTCTTTGGGGAATGGGGAGAGCAAGCAAACCTCCAGCTCAACGAGGGGGAACCTGAAGCAGCAAG  
 AAGAACTATTGAGAGATATGCCATCAACATTTACCTCAGTGACAGGATCTCCCTGCACCGCCACATAGA  
 GGATAAAAAGATGTATGAGTGTAAAGCCAAGAAGTTCCACTACAGGTCGCTCCCCACCACCTCCGTTATC  
 ATCGCCTTCTATAACGAAGCCTGGTCCACTCTGCTTCGGACCATTACAGTGTTTTAGAACTTCTCCAG  
 CTGTGCTTTTAAAGGAGATCATCTTGGTGGATGACTTGAGTGATAGAATTTATTTGAAGGCGCAACTTGA  
 AACTTACATCAGCAACCTGGAGAGATTGCTTATTAGAACCAATAAGAGAGAGGGGCTGGTCCGGGCC  
 CGTCTAATTGGGGCCACTTTTGCCACCGGGGATGTCCTCACTTTCTGGATTGTCAGTGTGATGTAACA  
 CTGGTTGGTTGGAACCACTTTTGAGAGAGATCAGTAGAGACGAAACCGCAATCGTATGTCCTGTCATCGA  
 CACTATTGACTGGAACACTTTTGAATTCTACATGCAGACCCGGGGAGCCATGATTGGTGGTTTACTGG  
 CGTTTGACCTTCCAGTGGCATTCTGTCCCAAACATGAAAGGGACAGGCGAACGTCAGAATTGACCCCA  
 TCAGGTCCCCACCATGGCAGGAGGACTGTTTGTCTCAGCAAGAAGTATTTTTCAGTACCTGGGCACCTA  
 TGACACTGGCATGGAAGTCTGGGGAGGCGAAAACCTTGAGTTGTCTTTTCCAGGTTTGGCAGTGTGGCGGC  
 AAGCTGGAGATCCACCCATGCTCGCACGTGGGCCACGTGTTTCCAAGCGCGCCCTATGCTCGCCCCA  
 ACTTCTACAGAATACCGCGCGCGGCGGCGAAGTGGATGGATGAATACAAAGAGCAATTTCTATAACCG  
 AAACCCCGCAGCTCGGAAAGAGGCCTATGGCGATCTTTCTGAAAGGAAGTTACTAAGGGAACCGGTGAAA  
 TGTAAGAGCTTCGACTGGTATCTGAAAAATGTGTTCTCTAACTTACACGTCCCCGAGGATAGACCTGGCT  
 GGCACGGAGCCATCCGCAGCATGGGCATCTCTCCGAGTGCTTAGATTATAACGCTCCCGACAACAACCC  
 TACGGGGCTAATCTTTCTGTTTGGATGCCACGGTCAAGGAGGCAATCAGTCTTTTGAATATACTTCA  
 AACAAAGAAATCAGATTCATCCGTGACTGAATTATGTGCAGAGGTCCCCAACAAAAGGATTATGTAG  
 GGATGCAAACTGCCCAAAGACGGGCTCCAGTCCAGTGAACATCATTTGGCATTTTAAAGAAGACGG  
 AACGATTTTTACCCCTCACACAAGACTGTGCTTAGTGCTTACCGGACAGCCGAGGGCCGACCTAGTGTC  
 CATATGAAAACGTGTGATGCCCTTGATAAAAACCGACTCTGGAGTTTGAAGAA

**ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA**

**Protein Sequence:**

>MG209072 representing NM\_015737  
 Red=Cloning site Green=Tags(s)

MAVRWTWAGKSLLLLALLTLAYILVEFSVSTLYASPGAGGARELGPRRLPDLDTREEDLSQPLYIKPPAD  
 SHALGEWGRASKLQLENEGELKQQEELIERYAINIYLSDRISLHRHIEDKRMYECKAKKFHYRSLPTTSVI  
 IAFYNEAWSTLLRTIHSVLETS PAVLLKEIILVDDLSDRIYLKAQLETYISNLERVRLIRTNKREGLVRA  
 RLIGATFATGDVLTFLDCHCECNTGWLEPLLERISRDETAIVCPVIDTIDWNTFEFYMQTGEPMIGGFDW  
 RLTFQWHSVPKHERDRRTSRIDPIRSPTMAGGLFAVSKKYFYQLGTYDTGMEVWGGENLELSFRVWQCGG  
 KLEIHPCSVHGVHVPKRAPYARPNFLQNTARAAEVWMEYKEHFYNRNPPARKEAYGDL SERKLLRERLK  
 CKSFDWYLKNVFNHVPEDRPGWHGAIRSMGISSECLDYNAPDNNPTGANLSLFGCHGQGGNQFFEYTS  
 NKEIRFNSVTELCAEVPQQKDYVGMQNCPKDGLPVPVNI IWHFKEDGTIFHPHTRLCLSAYRTAEGRPSV  
 HMKTCDALDKNLWRFEK

**TRTRPLE - GFP Tag - V**

**Restriction Sites:**

Sgfl-Mlul



<b>OTI Disclaimer:</b>	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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_015737.4</a>
<b>RefSeq Size:</b>	5111 bp
<b>RefSeq ORF:</b>	1737 bp
<b>Locus ID:</b>	14426
<b>UniProt ID:</b>	<a href="#">O08832</a>
<b>Cytogenetics:</b>	10 C3
<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 a highest activity toward EA2 peptide substrate and a much lower activity with EPO-T, Muc2, Muc1a, Muc1b.[UniProtKB/Swiss-Prot Function]