

## Product datasheet for **MG225988**

### Galnt16 (NM\_175032) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Galnt16 (NM_175032) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Galnt16
Synonyms:	1700021K10Rik; 4930431L04Rik; A830023L05
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG225988 representing NM\_175032  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAAGAGGAAACAGAAGAGGTTTCTGCAAATGACTTTGTATTACCGTGGCTTTAATTTCTGCCCA  
 ACATTGGTCTCTGGTCTTTGTACAAGGATAAACACCTGGTGAAATCTGCAGAACCCGCGGAGCATCAGAC  
 ATTTCCACTGGGCTAGGAGATGGCAATTCTATTCTGGACAGATGGTCTGAGAAGAAAAGACTGGCAT  
 GACTATGAGAGCATTAGAGAGATGCTTTGCGCTCAGGGAAAAGTGAACATGGAAAACCATACCCACTTA  
 CTGAAGAGGACCGGGATGACTCAGCTTACAGGGAAAATGGCTTCAACATTTTGTGAGCAACAATATTGC  
 TCTAGAGAGGCTCTGCCAGACATCCGCCATGCCAACTGAAGCACAAGATGTACCTTGAAGGCTGCCA  
 AACACCAGCATCATTATCCCATTCACAACGAAGTTGGACCTCACTCTTGGGACCATACACAGTATAA  
 TCAACCGAACACCAGAGAGTCTGATAGCAGAAATCATTCTAGTCGATGACTTCAGTGATAGAGAACACTT  
 GAAGGATAAATTAGAAGATTACATGGCTCGGTTTTCCAAAGTGAATTTGTACGCACCAAGAAAAGGGAA  
 GGTCTCATCCGGACCCGACTCCTGGGAGCTTCCGTGGCTAGAGGAGAGGTGCTGACCTTCTAGACTCCC  
 ACTGTGAGGTCAATGTGAACTGGCTGCCCCGCTCCTCAACCAAATGCACTAAACCACAAAACCATCGT  
 GTGTCCATGATCGATGTCATTGACCACAATCACTTTGGGTATGAGGCACAAGCTGGGGATGCCATGCGA  
 GGAGCCTTCGACTGGGAAATGACTACAAAAGAATCCCGATCCCTCCAGAGCTGCAGAGGGCTGACCCCA  
 GCGACCCCTTTGAGTCTCCGTTATGGCTGGAGGCTCTTTGCAGTGGATCGAAAGTGGTTTTGGAACT  
 GGGTGGCTATGACCCAGGCTTGGAAATCTGGGGAGGAGAGCAGTATGAAATCTCTTTAAGGTTTGGATG  
 TGTGGAGGAGAAAATGTTGACGTTCCGTGTTCTAGAGTCGGTCATATCTACAGGAAGTATGTCCCTTATA  
 AAGTTCATCTGGGACCGCTAGCAAGAAACCTGAAGCGTGTGGCTGAGACCTGGATGGATGAATTTGC  
 TGAGTACATTTACCAGAGCGGCCAGAGTACAGGCACCTCTCCACCGGAGACATCTCTGCCAGAAAGGAG  
 TTGCGGAAGCGACTCAAGTGCAAAGACTTCAAGTGGTTCATGGCTGCTGTGGCCTGGGACGTGCCTAAGT  
 ACTACCCTCCGGTCGAGCCCTGCCTGCAGCGTGGGGTGAAGTTCGAAGTGTGGCAGCCAACTTATGTGT  
 GGATAGCAAGCATGGAGCCACAGGGACCGAGCTCAGGCTGGACGTCTGTGTCAAGGATGGCTCTGAAAGG  
 ACATGGTCTCACGAACAGCTCTTACTTTCCGGTGGAGAGAAGATATTCGACCCGGTGGAGCTCTGCACA  
 CCCGAAAATTCGCTGGATGCCATCTCACACAGCAGCCCTGTACCCTCTATGACTGTCACGGCATGAA  
 AGGGAACCAGCTCTGGGATACCGGGAGGACAGAAACATATTTTCATCCTGTGAGCAACAGCTGTATGGAT  
 TGCAACCCCTCAGAGAAGAAGATTTTCATGGCCAGATGTGACCCTCTATCTGAGACTCAGCAATGGATTT  
 TTGAACATATCAACATGACTGTTTTAGAAAAAATAGCCACTATGCCATCTCC

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:**

>MG225988 representing NM\_175032  
 Red=Cloning site Green=Tags(s)

MKRKQKRFLQMTLLFTVALIFLPNIGLWSLYKDKHLVKSAPAEHQTFPLGLGDGQFYSWTDGLRRKDW  
 DYESIQRDALRSGKGEHGKPYPLTEEDRDDSAYRENGFNIFVSNNIALERSLPDIRHANCKHKMYLERLP  
 NTSIIIPFHNEGWTSLLRTIHSIINRTPESLIAEIIILVDDFSDREHLKDKLEDYMARFSKVRIVRTKKRE  
 GLIRTRLLGASVARGEVLTFLDHCEVNVNWLPLLNQIALNHKTIVCPMIDVIDHNHFGYEAQAGDAMR  
 GAFDWEYMYKRIPIPELQRADPSDPFESPMAGGLFAVDRKWFELGGYDPGLEIWGGEQYEISFKVWM  
 CGGEMFDVPCSRVGHYRKYVPYKVPSTSLARNLKRVAETWMDEFAEYIYQRRPEYRHLSTGDISAQKE  
 LRKRLKCKDFKWFMAAVAVDVPKYPPVEPLPAAWGEIRSVAANL CVDSKHGATGTELRLDVVCVKDGER  
 TWSHEQLFTFGWREDIRPGEPLHTRKFLDAISHSSPVTLYDCHGMKGNQLWGYREDRTL FHPVSNSCMD  
 CNPSEKIFMARCDPLSETQQWIFEHINMTVLEKNSHYAIS

**TRTRPLE** - GFP Tag - V

**Restriction Sites:**

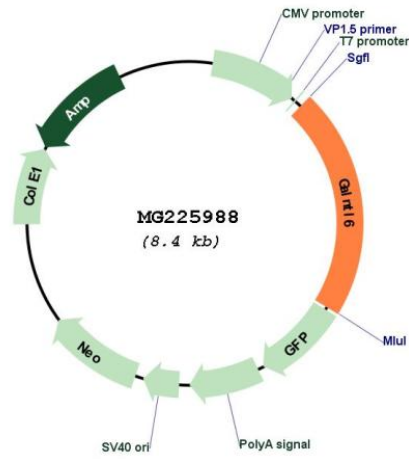
SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM\_175032

ORF Size: 1803 bp

<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_175032.3</a> , <a href="#">NP_778197.2</a>
<b>RefSeq Size:</b>	2918 bp
<b>RefSeq ORF:</b>	1806 bp
<b>Locus ID:</b>	270049
<b>Cytogenetics:</b>	8 B2