

## Product datasheet for **MR224949**

### Galnt7 (NM\_001167981) Mouse Tagged ORF Clone

#### Product data:

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



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ORF Nucleotide  
Sequence:

>MR224949 representing NM\_001167981  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCCGCATCGCC

ATGAGGCTGAAGATCGGGTTCATCTTACGCAGTTTGTGGTGGTGGGAAGCTTCCTGGGGCTCGTGGTCC  
TCTGGTCTTCCCTGTCTCGCGGCCGACGACCAGAGCCCACTGAGCAGGATGAGGGAAGACAGAGATGT  
CAATAACCCCTTGCCTAACCGAGGAGGCAATGGACTAGCTCTGGAGATGACAGATTCAAACCTGTGGTA  
CCATGGCCTCATGTTGAAGGAGTAGAAGTGGACTTAGAGTCTATTAGAAGAAAAACAAAGCCAAAAATG  
AACAGGAGCGCCATGCTGGAGGAGATCCAGAGAGACGTAATGCAGAGGCAGTACCTTACATTTAAGCC  
TCAGACCTTACCTACCGTATCTGTGCTACGCCAGGGGTCTCGGGAACCTTGAACCCAAAGAACC  
GAGCCTCACGGAGTGGTGGTGGCCCTGGAGAGAAAGCCAAGCCATTGGTTCTGGGACCAGAATACAAC  
AAGCAGTTCAAGCCAGCATTAAAGGATTTGGATTTAACATGGTGGCAAGTACATGATCTACTGGACCG  
CAGCGTCAATGACTTACGCCAAGAAGAATGCAAGTATTGGCACTATGATGAAAACCTGCTTACTTCAAGC  
GTTGTCATTGTCTTCCATAATGAAGGATGGTCAACCCTCATGAGGACAGTCCACAGTGAATCAAAGGA  
CACCAAGGAAGTACTTAGCAGAAATCGTGTAAATTGATGACTTACGCAATAAAGAACACTTAAAAGAGAA  
ACTGGATGAGTATATAAAGCTATGGAATGGCCTCGTGAAGGATTTTCAAATGAGAGAAGAGAGGGTTTG  
ATTCAGCTCGGAGCATTGGCGCACAGAAGGCTAAACTCGGACAGGTTTTGATATACCTTGATGCCCACT  
GTGAGGTGGCAGTTAACTGGTATGCTCCACTTGTAGCCCCATATCTAAGGACAGAGCTACATGACTGT  
GCCTCTAATAGATTACATAGACGGGAATGATTATCCATTGAACCACAGCAAGGTGGGGATGAAGATGGT  
TTTGCCAGAGGGGCTGGGACTGGAGTATGCTATGGAAACGTATCCCACTAAGCCACAAGGAAAAGGCCA  
AAAGAAAGCATAAACTGAGCCTTATCGTCTCCAGCTATGGCGGGTGGATTGTTTGCCATAGAGAAGGA  
CTTCTTCTCGAACTGGGTCTCTATGATCCTGGTCTCCAGATCTGGGGTGGTGAACCTTTGAAATTTCA  
TACAAGATCTGGCAGTGCGGTGGCAAATGTTATTTGTGCCTTGTCTCGTGTGGGCACATCTACCGTC  
TTGAGGGCTGGCAAGGAAACCCCCACCCTTTACGTTGGCTCCTCTCCAACCTGAAGAATTATGTTAG  
AGTCGTGGAAGTCTGGTGGGATGAATAAAAGACTACTTCTATGCTAGCCGTCCTGAGTCAAAGGCGCTG  
CCCTACGGGGACATATCTGAGCTGAAGAAATTCGAGAAGATCACAACCTGCAAAAGTTTCAAGTGGTTTA  
TGAAGAAATCGCTTATGACATCACTGCCCACTACCCTTTGCCCCAGAAATGTCGAGTGGGGTGAAT  
CCGAGGCCTCGAACTGCATACTGTATTGATAGCATGGGAAGACGAATGGAGGCTTCGTGGAGCTAGGA  
CCCTGCCACAGGATGGGTGGGAACCAGCTTTCCGAATCAATGAAGCAAACCAGCTCATGCAGTACGACC  
AGTGTGTTGACAAAGGGGCTGATGGATCCAAAGTCATGATCACACACTGTAACTAAATGAATTTAAGGA  
ATGGCAGTACTTCAAGAGCCTGCACAGGTTTACGCACATCACTTCCGGAAAGTGCTTAGATCGATCGGAG  
GTCCTGCATCAAGTGTTCATCTCCACCTGTGACTCCAGTAAAATGACTCAGAAGTGGGAGATGAATAACA  
TCCACAGTGTT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



**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.

**RefSeq:** [NM\\_001167981.1](#), [NP\\_001161453.1](#)

**RefSeq Size:** 4363 bp

**RefSeq ORF:** 1974 bp

**Locus ID:** 108150

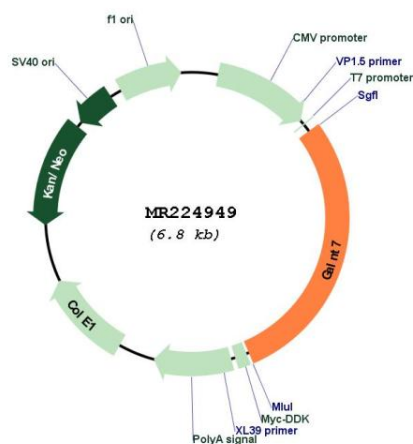
**UniProt ID:** [Q80VA0](#)

**Cytogenetics:** 8 B2

**MW:** 76 kDa

**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]

### Product images:



Circular map for MR224949