

Product datasheet for **MR209509**

Galnt18 (NM_173739) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Galnt18 (NM_173739) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Galnt18
Synonyms:	2900011G21Rik; BC024988; Galntl4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR209509 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGTGTGTACCAGGAAGACAAAACCTTTGGTGTCCACTTGCCTGATCCTAAGCGGCATGACCAACATCA
 TATGCCTGCTGTACGTGGGCTGGGTACCAACTACATCGCCAGCGTGTATGTGCGGGGAGGAGCCAGT
 GCCCGACAAGAAGCTGGAGGAAGATAAAGGGGACACCCTGAAAATTATCGAGCGGCTGGACCACTTGGAG
 AATGTCATCAAACAGCATATCCAAGAGGCTCCTGCCAAGCCTGAGGAGGCAGAGGCCGAGCCCTTACCGG
 ACTCCTCCCTGTTTGCACACTGGGGCAGGAGCTCAGCCCGAAGGCCGGCGTGTGGCCCTGAAGCAGTT
 CCAGTACTACGGCTACAACGCCTACCTCAGTGACCGGCTACCCCTCGACCGGCCCTGCCAGACCTCAGA
 CCCAGTGGGTGCCCAACCTCTCGTTCGCCGACAGCCTACCTGAGGTGAGCATCGTGTTCATCTTCGTCA
 ACGAGGCGCTCTCAGTGTCTCGTTCCTCCACTCGGCCATGGAACGCAGCCATCACACCTGCTCAA
 GGAGATCATCCTGGTGGACGACAACAGCAGCAACGAGGAGCTCAAAGAAAAGCTGACTGAATATGTGGAC
 AAGGTGAACGGCCAGAAGCCAGGCTTCAAAAGTTGTGCGGCACAGCAAGCAGGAAGGCCCTCATCCGCT
 CCAGAGTCAGCGGCTGGAGGGCAGCCACAGCCCTGTGGTGGCAGTGTTCGATGCCACGTGGAGTTCAA
 TGTGGGCTGGGCGGAACCAAGTCCACCCGATCAAGGAAAACCGGAAACGGATCATTTCACCATCTTTT
 GATAACATCAAATATGACAACCTTGGAGTAGAAGAGTACCCGCTAGCCGCCAAGGCTTTGACTGGGAGC
 TGTGGTGGCGCTACCTAAACCCACCAAGGCTGGTGGAAAGTAGAGAATCCACAGCCCAATCAGGAG
 CCCTGCCCTCATTGGCTGTTTATTGTGGACCGGCACTTTCGAGGAGATTGGCCTGCTGGACGAAGGC
 ATGGAGGTTCTATGGAGGGAGAATGTGGAGCTTGGGATCAGGGTGAAGTATTTCTCACACAGGGCTGA
 GCTCAGTCCCATGATGGTATGGCAGTGTGGCGGAGTGTGGAGTCTGCCCTGCTCTCGGATTGCCCA
 CATCGAGCGAGCTCAAAAGCCCTACACAGAGGACCTCACTGCCACGTCGCGAGAATGCCCTCAGGGTA
 GCTGAAGTCTGGATGGATGAATCAAAGTCAATGTCTACATGGCATGGAACATACCACAAGAGGACTCAG
 GGATTGACATCGGGGACATCACCGCAGCAAGGCTCTGAGGAAGCAGCTGCAGTGAAGACCTTCAGGTG
 GTACCTGGTCAGTGTGTACCCAGAGATGAGGATGTACTCTGACATTATCGCCTATGGAGTGTGCAGAA
 TCCCTGAAGACTGATTTGTGTCTTGATCAGGGCCAGATACAGAGAATGTCCCATCGTGTACATATGCC
 ATGGGATGACACCCAGAATGTGTACTACACAAGCAGCCAGCAGATCCACGTGGGTATCTGAGCCCCAC
 TGTGGATGACGATGACAACCGGTGTCTGGTGGACGTCAACAGCCGCCACGTCTCATCGAGTGCAGTTAC
 GCCAAGGCCAAGAGGATGAAGCTGCACTGGCAGTTCTCCAGGGAGGCTCCATCCAGAACCGAAGTCCA
 AGCGCTGCTGGAGCTGCAAGAGAACAGTGACATGGAGTTTGGTTTCCAGCTGGTCTTCAGAAGTGCTC
 GGGACAACACTGGACTATCACC AATGTCTGAGGAGCCTGGTGTCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

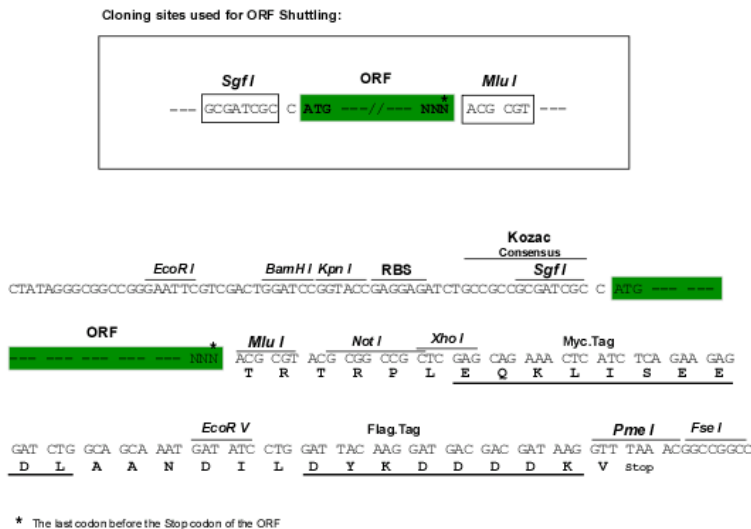
>MR209509 protein sequence
 Red=Cloning site Green=Tags(s)

MVCTRKTKLVSTCVILSGMTNIIICLLYVGVWNTYIASVYVRGQEPVPDKKLEEDKGDTLKIIEERLDHLE
 NVIKQHIQEAPAKPEEAEAEPTDSSLFAHWGQEL SPEGRRLVAKQFQYYGYNAYLSDRLPLDRPLDLR
 PSGRNL SFPDSLPEVSI VIFVNEALSVLLRSIHSAMERTPSHLLKEIILVDDNSSNEELKEKL TEYVD
 KVNGQKPGFIKVVHRHSKQEGLIRSRVSGWRAATAPVVALFDAHVEFNVGWAEPVL TRIKENRKRIISPSF
 DNIKYDNFEIEEYPLAAQGF DWELWCRYLNPPKAWWKENSTAPIRSPALIGCFIVDRQYFEEIGLLDEG
 MEVYGGENVELGIRVSEISHTGLSSAPMMWQCGGSVEVLPCSRIAHIERAHKPYTEDLTAHVRRNALRV
 AEVWMDEFKSHVYMAWNIPQEDSGIDIGDITARKALRKQLQCKTFRWYLVSVYPEMRMYSDIIAYGVLQN
 SLKTDLCLDQGPDTENVPIVYICHGMT PQNVYYTSSQI HVGILSPTVDDDDNRCLVDVNSRPRLEICSY
 AKAKRMLKHWQFSQGGSIQNRKSKRCLELQENSDFEFGFQLVLQKCSGQHWITINVLRSLVS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_173739

ORF Size: 1869 bp

OTI Disclaimer: 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. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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.

RefSeq: [NM_173739.4](#)

RefSeq Size: 2595 bp

RefSeq ORF: 1869 bp

Locus ID: 233733

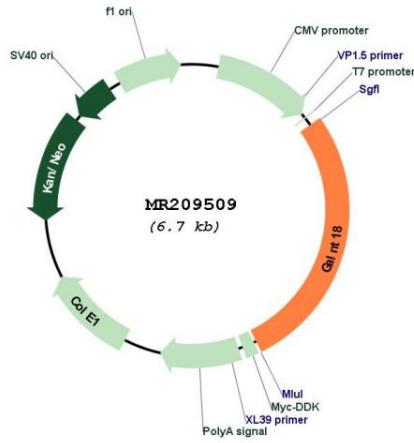
UniProt ID: [Q8K1B9](#)

Cytogenetics: 7 E3- F1

MW: 71.1 kDa

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. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR209509