

Product datasheet for **MR218613**

Galnt6 (NM_001161768) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Galnt6 (NM_001161768) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Galnt6
Synonyms:	4632410F13; AW047994; GalNAc-T6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR218613 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGAGGTTGCTACGAAGCGCCACATGTCCTGCGCCTCGCCATGCTGGCAGCGTCTTCATGCTCTTCC
 TCTTCATTCGGCAGAAGGATGTAAGCAACCAGGAGCAGGCCATGGAGAAACCGTGGCTGAAGTCCCTGGC
 TGGCCAGAAGGACCAGGTCCTGGACTTCATGCTAGGTGCTGTGAACAACATTAGGACGTCATGCCTAAG
 CTGCAGATCCGGGCTCCAGAACCGCCTCAGACTCTGGTCTCCACAAACCACTCCTGCCTGCCCGGTTCT
 ACACCCCTGCTGAGCTGAAACCTTCTGGGACCGCCACCTCAAGATCCCAACAGCCCTGGGGCAGATGG
 AAAAGCATTTCAGAAGAAAGAATGGACCAATCTAGAGACCAAAGAAAAGGAAGGCTATAAGAAACAC
 TGCTTTAATGCATTTGCCAGTGACCGCATCTCCTTGACAGAGTCCCTGGGGCCAGACACCCGGCCTCCTG
 AGTGTGTTGACCAGAAGTCCGGCGCTGCCGCCACTGCCACCACCAGCGTGATCATTGTGTTCCACAA
 CGAAGCCTGGTCCACTCTGCTGCGCACAGTATACAGCGTCTGCACACCAGCCCTGCCATCTTGCTGAAG
 GAAATCATCTCGTGGATGACGCCAGCAGATGAGCACCTGAAGGAGAGGCTGGAGCAGTACGTTACAGC
 AGCTGCAGATCGTGCGCGTGGTTCGGCAGCGGGAGCGGAAGGGGCTCATCACAGCCAGGCTGCTGGGGG
 CAGCGTGGCGCAGGCAGAGGTGCTCACGTTCTGGACGCCACTGTGAGTGTTTTACGGCTGGCTGGAG
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 ATACCTTCCAATTCTCCAGACAGTACAGAGAGGCAAAGCCACAGCCGGGGCAACTTCGACTGGAGCCT
 GACCTTCGGCTGGGAAATGCTTCTGAGCAGAGAAGCAGAGACGCAAGGATGAGACCTACCCATCAAG
 TCCCGACGTTTCCGGCGGCCCTCTTCTCCATCTCCAAGGCCACTTTGAGCACATCGGTACCTATGATA
 ACCAGATGGAGATCTGGGGAGGGGAGAATGTGAAATGTCTTCCGGGTGTGGCAGTGTGGGGCCAGCT
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 ACCAGTGTATTGCGCGCAATCAGGTGCGCCTGGCTGAGGTCTGGATGGACGACTATAAGAGATTTTCT
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 CCCGACCTGAACCCACCTTCTATGGAGCCATCAAGAATCTTGGACCAATCAGTGTGGAGCTGGGGC
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 CCCAGGATCAACTCATCAGAAACTCAGGATCTGGTACCTGCCTGACATCCAGGACAAAAAGCCAGCCAT
 GGCCCCGTGAATCCCAGGGATCCCTACCAGCTCTGGCTGTTTGTG

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Protein Sequence:

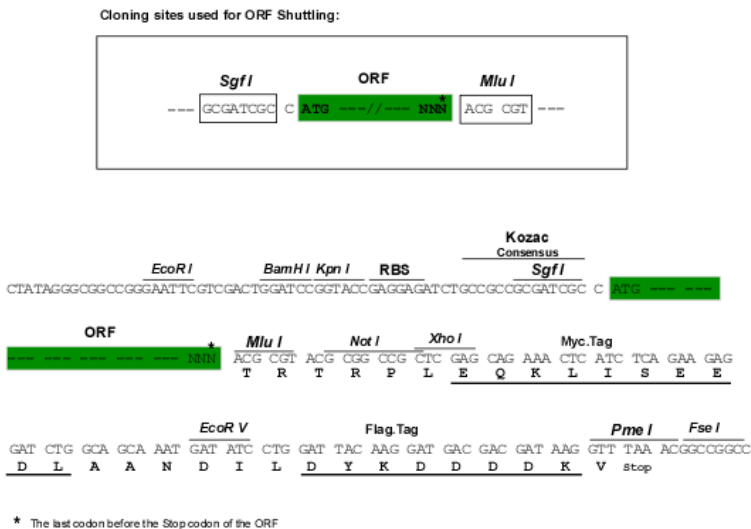
>MR218613 protein sequence
 Red=Cloning site Green=Tags(s)

MRLLRRRHMSLR LAMLGSVFMFLFIRQKDVSNQEQAMEKPWLKSLAGQKQVLD FMLGAVNNIRDVMPK
 LQIRAPEPPQTLVSTNHSLPGFYTPAELKPFWDRPPQDPNSPGADGKAFQKKEWTNLETKEEGYKHH
 CFNAFASDRISLQRSLGPDTRPPECVDQKFRRCPLPTTSVIVFHNEAWSTLLRVTYVSLHTSPAILLK
 E IILVDDASTDEHLKERLEQYVQQLQIVRVRQREKGLITARLLGASVAQAEVLTFLDAHCECFHWLE
 PLLARIAEDKTA VVSPDIVTIDLNTFQFSRPVQRGKAHSRGNFDWSLTFGWEMLPEHEKQRRKDETYPIK
 SPTFAGGLFSISKAYFEHIGTYDNQMEIWGGENVEMSFVWQCGGLEIIPCSVVGHVFRKSPHTFPKG
 TSVIARNQVRLAEVWMDYKIF YRRNLQAAKMVQENNF GDISERLRLREQLRCHNFSWYLNHVYPEMFV
 PDLNPTFYGA IKNLGTNQCLDVGENNRGGKPLIMYVCHNLGGNQYFEYTSQRDLRHNIQKQLCLHASGST
 LGLRSCQFVGKNSRVPKDEEWELTQDQLIRNSGSGTCLTSQDKKPAMAPCNRPDPYQLWLFV

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001161768

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_001161768.1](#), [NP_001155240.1](#)

RefSeq Size: 5712 bp

RefSeq ORF: 1869 bp

Locus ID: 207839

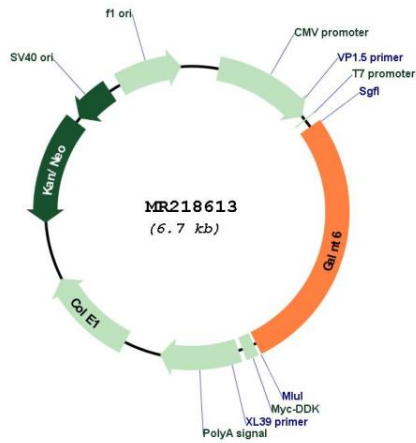
UniProt ID: [Q8C7U7](#)

Cytogenetics: 15 F1

MW: 71.5 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. May participate in synthesis of oncofetal fibronectin. Has activity toward Muc1a, Muc2, EA2 and fibronectin peptides (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR218613