

## Product datasheet for **MR218409**

### **Wbscr17 (NM\_145218) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Wbscr17 (NM_145218) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Wbscr17
Synonyms:	AA388321; E330012B09Rik; Galnt17
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR218409 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCTTCACTGAGGAGAGTCAAAGTGTGTTGGTGTGAACTTGATCGCGGTGGCCGGCTTCGTGATCT  
 TTTTGGCTAAGTGTGCGCCTATCGCGGTGCGCAGCGGAGACGCCTTCCACGAGATCCGGCCTCGCGCAGA  
 GGTGGCCAACTCAGCGCGCACAGCGCCAGCCCATCCAGGATGCGGTCTGAAGCGCTTGTGCTGCTG  
 GAGGACATCGTCTACAGGAGCTTAATGGCTTATCTAAATCCCTCGGGCTCATCGAAGGGTATGGTGGGA  
 GGGGCAAAGGAGGCCCTTCTGCCACCTTTCCCTCTGAAGAAGAAAAAGCCAAAGGACCTCATGAGAA  
 ATATGGCTACAATTCCTACCTCAGTGAAGAGATCTCCTTGACCGGTCTATTCCAGATTATCGTCTACC  
 AAGTGAAGGAGCTCAAATATTCCAAGGAGTTGCCCCAGATATCCATCATCTTCATCTTCGTGAATGAGG  
 CCCTGTCTGTACTTCCGTGAGTCCACAGCGTGTCAATCACACCCACACACCTGCTGAAGGAGAT  
 CATCCTGGTGGATGACAACAGTGTGAAGAGGAGCTGAAGGCCCTTGAAGAGTACGTCCACAAACGC  
 TACCCTGGGCTGGTGAAGGTGGTACGCAATCAAAGCGAGAAGGCCTGATCCGAGCACGCATCGAGGGCT  
 GGAAAGCGGCCACTGGCCAGTCACTGGCTTTTCGATGCTCACGTGGAATTCAGTGTGCTGGCTGGCTGA  
 GCCCGTTCTGTCCCGCATCCAGGAAAACCGAAGCGGGTACCTCCCTCCATCGACAACATCAAGCAG  
 GACAACCTCGAAGTGCAGCGCTACGAGAACTCCGCCACGGGTACAGCTGGGAGCTGTGGTGCATGTACA  
 TCAGCCCCCAAAGACTGGTGGGACCGCGGAGATCCCTCTCTCCCATCAGAACACCAGCCATGATTGG  
 CTGCTCATTTGTGGTCAACAGGAAATCTTTGGTGAATGGTCTGTGGTGGCAGCATGGAGTCCCTCCATGTT  
 CAAGGGTGGCCACATTGAGCGGAAGAAGAAACCATATAACAGTAACATCGGCTTCTACACCAAGAGAA  
 TGCATTGCGAGTAGCCGAGGTCTGGATGGACACTACAAGTACATGTGTACATAGCGTGGAAATCTGCCT  
 CTGGAGAATCCAGGCATTGATATCGGTGACGTCTCAGAAAAGAAAAGCATTAAAGGAAAAGTTTGAATGTA  
 AGAATTTCCAGTGGTATTTGGACCATGTTTACCCAGAAATGAGAAGATACAACAACACTATCGCCTATGG  
 GGAGCTTCGTAATAATAAGGCCAAGGATGTCTGTCTGGACCAGGGGCCACTGGAAAACCACACAGCAATA  
 CTGTACCCATGCCACGGTTGGGGACCACAGCTCGCCCGCTACACCAAGGAAGGGTTCTGCACCTTAGGTG  
 CTCTGGGGACCACACTCTCTCCCTGATACCCGCTGCCTGGTGGACAACTCCAAGAGTCGGTTGCCGCA  
 GCTCCTGGATTGTACAAGGTCAAGAGCAGCTTGTACAAGCGTTGGAATTCATCCAGAATGGAGCCATC  
 ATGAATAAGGGCACAGGGCGCTGCCTAGAGGTGGAGAACCAGGGCCTGGCCGGCATCGACCTAATCCTTC  
 GAAGCTGTACTGGACAGAGATGGCAATCAAGAATCCCATCAAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR218409 protein sequence  
 Red=Cloning site Green=Tags(s)

MASLRRVKVLLVNLIAVAGFVIFLAKCRPIAVRSGDAFHEIRPRAEVANLSAHSASPIQDAVLKRLSLL  
 EDIVYRQLNGLSKSLGLIEGYGRGKGLPATLSPSEEEKAKGPHEKYGYNSYLSEKISLDRSIPDYRPT  
 KCKELKYSKELPQISIIIFVNEALSVILRSVHSAVNHTPTHLLKEIILVDDNSDEEELKAPLEEYVHKR  
 YPGLVKVVRNQREGLIRARIEGWKAATGQVTGFFDAHVEFTAGWAEPVLSRIQENRKRVLPSIDNIKQ  
 DNFEVQRYENSAHGYSWELWCMYISPPKDWWDAGDPSLPIRTPAMIGCSFVVRNRFGEIGLLDPGMDVY  
 GGENIELGIKVWLCGGSMEVLPSCRVAHIERKKKPYNSNIGFYTKRNALRVAEVMDDYKSHVYIAWNL  
 LENPGIDIGDVSERKALRKSLKCNFQWYLDHVYPEMRRYNNTIAYGELRNNKAKDVCLDQPLENHTAI  
 LYPCHGWGPQLARYTKEGFLHLGALGTTLLPDTRCLVDNSKSRPQLLDCDKVKVSSLYKRWNFIQNGAI  
 MNKGTGRCLEVENRGLAGIDLILRSCTGQRWAIKNPIK

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_145218

**ORF Size:** 1797 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\\_145218.1](#), [NM\\_145218.2](#), [NM\\_145218.3](#), [NP\\_660253.2](#)

**RefSeq Size:** 4196 bp

**RefSeq ORF:** 1797 bp

**Locus ID:** 212996

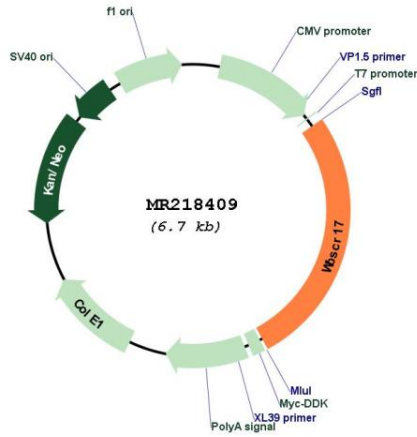
**UniProt ID:** [Q7TT15](#)

Cytogenetics: 5 G2

MW: 67.7 kDa

Gene Summary: May catalyze 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 MR218409