

Product datasheet for **MG218409**

Wbscr17 (NM_145218) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Wbscr17 (NM_145218) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Wbscr17
Synonyms:	AA388321; E330012B09Rik; Galnt17
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG218409 representing NM_145218
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTTCACTGAGGAGAGTCAAAGTGTGTTGGTGTGAACTTGATCGCGGTGGCCGGCTTCGTGATCT
 TTTTGGCTAAGTGTGCGCCTATCGCGGTGCGCAGCGGAGACGCCTTCCACGAGATCCGGCCTCGCGCAGA
 GGTGGCCAACTCAGCGCGCACAGCGCCAGCCCATCCAGGATGCGGTCTGAAGCGCTTGTGCTGCTG
 GAGGACATCGTCTACAGGAGCTTAATGGCTTATCTAAATCCCTCGGGCTCATCGAAGGGTATGGTGGGA
 GGGGCAAAGGAGGCCCTTCTGCCACCTTTCCCTCTGAAGAAGAAAAAGCCAAAGGACCTCATGAGAA
 ATATGGCTACAATTCTACCTCAGTGAAGAGATCTCCTTGACCGGTCTATTCCAGATTATCGTCTACC
 AAGTGAAGGAGCTCAAATATTCCAAGGAGTTGCCCCAGATATCCATCATCTTCATCTTCGTGAATGAGG
 CCCTGTCTGTGATACTTCGGTCACTCACAGCGTGTCAATCACACCCACACACCTGCTGAAGGAGAT
 CATCCTGGTGGATGACAACAGTGTGAAGAGGAGCTGAAGGCCCTTGAAGAGTACGTCCACAAAACGC
 TACCCTGGGCTGGTGAAGGTGGTACGCAATCAAAGCGAGAAGGCCTGATCCGAGCACGCATCGAGGGCT
 GGAAAGCGGCCACTGGCCAGTCACTGGCTTTTCGATGCTCACGTGGAATTCAGTGTGCTGGCTGGCTGA
 GCCCGTTCTGTCCGCATCCAGGAAAACCGAAGCGGGTACCTCCCCTCCATCGACAACATCAAGCAG
 GACAACCTCGAAGTGCAGCGCTACGAGAACTCCGCCACGGGTACAGCTGGGAGCTGTGGTGCATGTACA
 TCAGCCCCCAAAGACTGGTGGGACCGCGGAGATCCCTCTCTCCCCATCAGAACACCAGCCATGATTGG
 CTGCTCATTTGTGGTCAACAGGAAATCTTTGGTGAATGGTCTGCTGGACCCTGGAATGGATGTGTAC
 GGAGGAGAGAATTTGAAGTGGGATCAAGGTATGGCTCTGTGGTGGCAGCATGGAGTCCCTTCCATGTT
 CAAGGGTGGCCACATTTGAGCGGAAGAAGAACCATATAACAGTAAACATCGGCTTCTACACCAAGGGAA
 TGCATTGCGAGTAGCCGAGGTCTGGATGGACACTACAAGTACATGTGTACATAGCGTGGAAATCTGCCT
 CTGGAGAATCCAGGCATTGATATCGGTGACGTCTCAGAAAAGAAAAGCATTAAAGGAAAAGTTTGAATGTA
 AGAATTTCCAGTGGTATTTGGACCATGTTTACCCAGAAATGAGAAGATACAACAACACTATCGCCTATGG
 GGAGCTTCGTAATAATAAGGCCAAGGATGTCTGTCTGGACCAGGGGCCACTGGAAAACCACACAGCAATA
 CTGTACCCATGCCACGGTTGGGGACCACAGCTCGCCCGCTACACCAAGGAAGGGTTCTGCACCTTAGGTG
 CTCTGGGGACCACACTCTCTCCCTGATACCCGCTGCCTGGTGGACAACTCCAAGAGTCGGTTGCCGCA
 GCTCCTGGATTGTACAAGGTCAAGAGCAGCTTGTACAAGCGTTGGAATTCATCCAGAATGGAGCCATC
 ATGAATAAGGGCACAGGGCGCTGCCTAGAGGTGGAGAACCAGGGCCCTGGCCGGCATCGACCTAATCTTC
 GAAGCTGTACTGGACAGAGATGGCAATCAAGAATCCCATCAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG218409 representing NM_145218
 Red=Cloning site Green=Tags(s)

MASLRVKVLLVLNLIIVAGFVIFLAKCRPIAVRSGDAFHEIRPRAEVANLSAHSASPIQDAVLKRLSLL
 EDIVYRQLNGLSKSLGLIEGYGGRGKGLPATLSPSEEEKAKGPHEKYGYNSYLSEKISLDRSIPDYRPT
 KCKELKYSKELPQISIIIFVNEALSVILRSVHSVHNHTPHLLKEIILVDDNSDEEELKAPLEEYVHKR
 YPGLVKVVRNQKREGLIRARIEGWKAATGQVTGFFDAHVEFTAGWAEPVLSRIQENRKRVLPSIDNIQK
 DNFEVQRYENSAHGYSWELWCMYISPPKDWWDAGDPSLP IRT PAMIGCSFVVRKFFGEIGLLDPGMDVY
 GGENIELGKIVLWCGSMEVLPCSRVAHIERKKKPYNSNIGFYTKRNALRVAEVMDDYKSHVYIAWNL
 LENPGIDIGDVSRKALRSLKCKNFQWYLDHVYPEMRRYNNNTIAYGELRNNKAKDVCLDQGPLENHTAI
 LYPCHGWGPQLARYTKEGFLHLGALGTTLLPDTRCLVDNSKSRPLQLLDCDKVKSSLYKRWNFIQNGAI
 MNKGTGRCLEVENRGLAGIDLILRSCTGQRWAIKNIK

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

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:	<ol style="list-style-type: none"> 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_145218.3 , NP_660253.2
RefSeq Size:	4196 bp
RefSeq ORF:	1797 bp
Locus ID:	212996
UniProt ID:	Q7TT15
Cytogenetics:	5 G2
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]