

## Product datasheet for **MG214818**

### Wdfy1 (NM\_00111279) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Wdfy1
Synonyms:	1700013B03Rik; 1700120F24Rik; FENS-1; Jr1; mKIAA1435; WDF1; ZFYVE17
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

**ORF Nucleotide Sequence:** >MG214818 representing NM\_00111279  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGGCGCGGAGATCCACTCCAGGCCCTCAGAGCAGCCGCCGGTGTCTGCTGAGCAAGATAGAGGGCCACC  
AGGACGCCGTCACCGCCGCGTGTCTCATCCCAAGGAGGACGGCGTGATCACCCTAGCGAGGACAGAAC  
CATCCGAGTATGGCTGAAAAGAGACAGCGGCCAGTACTGGCCAGCATCTACCACAAATGGCCTCCCCT  
TGCTCTGCCATGGCATAACCACCAGCAGCAGCGGATATTTGTGGCCAGGATAATGGGCTGTGATGG  
AATTTACGTTTCTGAAGATTTAATAAAATGAATTTTATCAAGACCTATCCAGCCACCAGAACCAGCGT  
GTCTGTATCATCTTCAGCCTGGCTGCCGAGTGGGTGATCAGCACTGGCCACGACAAGTGTGTGAGCTGG  
ATGTGCACGCGCAGCGGAATATGCTTGGCCGCACTTCTTCTCGTGTGGCTTCTGTTTGCAGTATG  
ATCTGGACTCAGCAGCCTTTGTTGGCGATTACTCGGGACAGATCACCCTGCTGAAGCTGGAGCAGAA  
CACTTGTTCAGTTATCAGACCCTCAAGGACATGAAGGTAGCATCGCCTGCCTTTGGTGGGACCCATC  
CAACGGTACTCTTCTCGGGAGCATCCGACAACAGCGTCATCATGTGGGACATCGGGGACGAAAAGGCC  
GGACTCTCCTCAAGGCCACCATGACAGAGTGCAGTCACTGTGCTACCTGCAGCTCAGCAGGCGACT  
CGTCTCCTGCTCGGCAGATGGTGGCATTGCAGTGTGGAACATGGATGTTAGCAGAGAAGAGGCTCCTCAG  
TGGTTAGAAAAGCGACTCCTGTGAGAAGTGTGAGCAGCCCTTCTTCTGGAATATAAAACAGATGTGGGACA  
CAAAGACCCTGGGCTTGGGAGCAGTCACTGCAGGAAGTGTGGCAGGCCGTCTGTGGGAAGTGCAGCAG  
CAAGCGGTCCAGTTACCCCGTCATGGGTTTTGAGTTCCAGTTTCGAGTTTGTGATTCCTGTTACGACTCC  
ATCAAAGATGAGGACCGACTTCTCTAGCAACATTTTCATGAAGGAAAACATAACATTTCCCATATGTCCA  
TGGACATTGCAAGGGGACTGATGGTACCTGTGGGACAGATCGTGTGTGAAGATATGGGATATGACTCC  
TGTGGTGGGCTGCAGCCTGGCAACTGGATTTTCTCCACAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



**Protein Sequence:** >MG214818 representing NM\_00111279  
 Red=Cloning site Green=Tags(s)

MAAEIHSRPQSSRPVLLSKIEGHQDAVTAALLIPKEDGVITASEDRITRVWLKRDSGQYWPSIYHTMASP  
 CSAMAYHHSRRIFVGQDNGAVMEFHVSEDFNKMFIKTYPAHQNRVSAIIFSLAAEWVISTGHDKCVSW  
 MCTRSGNMLGRHFFSSWASCLQYDLDTQHAFVGDYSGQITLLKLEQNTCSVITTLKGHEGSIACLVWDPI  
 QRLLFSGASDNSVIMWDIGGRKGRLLLLQGHHDVQSLCYLQLTRQLVSCSADGGIAVWNMDVSREEAPQ  
 WLESDSCQKCEQPFVFNKQMWDTKTLGLRQHHCRKCGQAVCGKCSSKRSSYPVMGFQVRVCDSCYDS  
 IKDEDRTSLATFHEGKHNI SHMSMDIARGLMVTCTGTRVVKIWDMPVVGCSLATGFSPH

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_00111279

**ORF Size:** 1230 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.

**Note:** Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

**RefSeq:** [NM\\_00111279.1](#), [NP\\_001104749.1](#)

**RefSeq Size:** 4566 bp

**RefSeq ORF:** 1233 bp

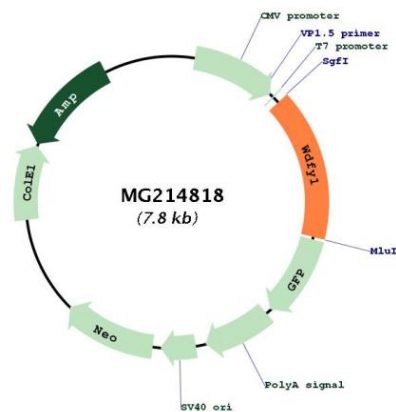
**Locus ID:** 69368

**UniProt ID:** [E9Q4P1](#)

**Cytogenetics:** 1 C4

**Gene Summary:** Positively regulates TLR3- and TLR4-mediated signaling pathways by bridging the interaction between TLR3 or TLR4 and TICAM1. Promotes TLR3/4 ligand-induced activation of transcription factors IRF3 and NF-kappa-B, as well as the production of IFN-beta and inflammatory cytokines (PubMed:25736436).[UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for MG214818