

Product datasheet for **MG214819**

Wdfy1 (NM_027057) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Wdfy1 (NM_027057) Mouse Tagged ORF Clone
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: >MG214819 representing NM_027057
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGCGGAGATCCACTCCAGGCCTCAGAGCAGCCGCCGGTCTGCTGAGCAAGATAGAGGGCCACC
 AGGACGCCGTACCGCCGCGTCTCATCCCAAGGAGGACGGCGTGATCACCGCTAGCGAGGACAGAAC
 CATCCGAGTATGGCTGAAAAGAGACAGCGGCCAGTACTGGCCAGCATCTACCACACAATGGCTCCCT
 TGCTCTGCATGGCATAACCACGACAGCAGCGGATATTTGTGGCCAGGATAATGGGCTGTGATGG
 AATTTACGTTTTCTGAAGATTTAATAAAATGAATTTTATCAAGACCTATCCAGCCACCAGAACC
 GCGTGTCTGCTATCATCTTCAGCCTGGCTGCCGAGTGGGTGATCAGCACTGGCCACGACAAGTGTGTGAGCTGG
 ATGTGCACGCGCAGCGGGAATATGCTTGGCCGCACTTCTTCTCGTCTGGGCTTCTGTTTGCAGTATC
 CTTCAGAGTGCCGGACCCCTCTCCATTGTTAGCTGCTTGAAGACAGAATGACTCCTGTGGATTTATC
 C

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG214819 representing NM_027057
 Red=Cloning site Green=Tags(s)

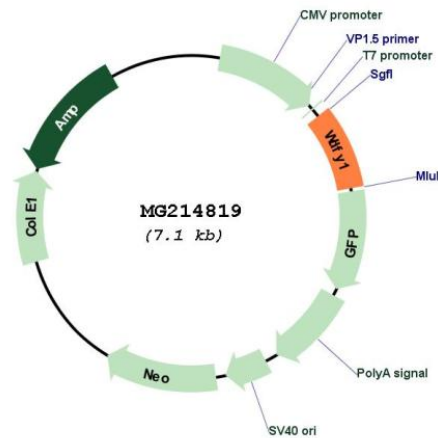
MAAEIHSRPQSSRPVLLSKIEGHQDAVTAALLIPKEDGVITASEDRITRVLKRDSGQYWPSIYHTMASP
 CSAMAYHHDSRRIFVQDNGAVMEFHVSEDFNKMNFIKTYPAHQNRVSAIIFSLAAEWVISTGHDKCVSW
 MCTRSGNMLGRHFFSSWASCLQYPSECRTPPIVSCFEDRMTVPDLS

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



Cloning Scheme:

Plasmid Map:


ACCN: NM_027057

ORF Size: 561 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_027057.3](#), [NP_081333.1](#)

RefSeq Size: 719 bp

RefSeq ORF: 564 bp

Locus ID: 69368

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]