

Product datasheet for **MR214819**

Wdfy1 (NM_027057) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Wdfy1 (NM_027057) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Wdfy1
Synonyms: 1700013B03Rik; 1700120F24Rik; FENS-1; Jr1; mKIAA1435; WDF1; ZFYVE17
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR214819 representing NM_027057
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCGGCGGAGATCCACTCCAGGCCTCAGAGCAGCCGCCGGTGTCTGCTGAGCAAGATAGAGGGCCACC
AGGACGCCGTACCGCCGCGTCTCATCCCAAGGAGGACGGCGTGATCACCCTAGCGAGGACAGAAC
CATCCGAGTATGGCTGAAAAGAGACAGCGCCAGTACTGGCCAGCATCTACCACACAATGGCCTCCCCT
TGCTCTGCCATGGCATACCACCAGACAGCAGCGGGATATTTGTGGCCAGGATAATGGGCTGTGATGG
AATTTACGTTTCTGAAGATTTAATAAAATGAATTTTATCAAGACCTATCCAGCCACCAGAACCGCGT
GTCTGCTATCATCTTCAGCCTGGCTGCCGAGTGGGTGATCAGCACTGGCCACGACAAGTGTGTGAGCTGG
ATGTGCACGCGCAGCGGGAATATGCTTGGCCGCCACTTCTCTCGTCGTGGGCTTCTGTTTGCAGTATC
CTTCAGAGTGCCGGACCCCTCCTCCATTGTTAGCTGCTTGAAGACAGAATGACTCCTGTGGATTTATC
C

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR214819 representing NM_027057
Red=Cloning site Green=Tags(s)

MAAEIHSRPQSSRPVLLSKIEGHQDAVTAALLIPKEDGVITASEDRITIRVWLKRDSGQYWPSTIYHTMASP
CSAMAYHHSRRIFVQDNGAVMEFHVSEDFNKMNFIKTYPAHQNRVSAIFSLAAEWVISTGHDKCVSW
MCTRSGNMLGRHFFSSWASCLQYPSECRTPPIIVSCFEDRMTVPDLS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



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

MW: 21.6 kDa

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]