

Product datasheet for **MC210914**

Wdfy1 (NM_027057) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Wdfy1 (NM_027057) Mouse Untagged Clone
Tag: Tag Free
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
Fully Sequenced ORF: >MC210914 representing NM_027057
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCGGCGGAGATCCACTCCAGGCCTCAGAGCAGCCGCCGGTGTCTGCTGAGCAAGATAGAGGGCCACC
AGGACGCCGTACCGCCGCGTCTCATCCCCAAGGAGGACGGCGTGATCACCGCTAGCGAGGACAGAAC
CATCCGAGTATGGCTGAAAAGAGACAGCGCCAGTACTGGCCAGCATCTACCACACAATGGCCTCCCCT
TGCTCTGCCATGGCATACCACCAGACAGCAGGCGGATATTTGTGGCCAGGATAATGGGCTGTGATGG
AATTTACGTTTCTGAAGATTTAATAAAATGAATTTTATCAAGACCTATCCAGCCACCAGAACCGCGT
GTCTGCTATCATCTTCAGCCTGGCTGCCGAGTGGGTGATCAGCACTGGCCACGACAAGTGTGTGAGCTGG
ATGTGCACGCGCAGCGGGAATATGCTTGGCCGCCACTTCTCTCGTCGTGGGCTTCTGTTTGCAGTATC
CTTCAGAGTGCCGGACCCCTCCTCCATTGTTAGCTGCTTTGAAGACAGAATGACTCCTGTGGATTTATC
CTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_027057
Insert Size: 564 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).



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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:	<u>NM_027057.3</u> , <u>NP_081333.1</u>
RefSeq Size:	719 bp
RefSeq ORF:	564 bp
Locus ID:	69368
Cytogenetics:	1 C4
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) lacks multiple exons and uses an alternate splice site in the 3' coding region, compared to variant 1, that results in a frameshift. It encodes isoform 2 which has a shorter and distinct C-terminus compared to isoform 1.</p>