

## Product datasheet for **MG219000**

### Wdtd1 (NM\_199306) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Wdtd1 (NM_199306) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Wdtd1
Synonyms:	adipose; adp; Gm695
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG219000 representing NM\_199306  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCAAAGTCAACATAACTAGAGACCTCATTCTAGGCAAGTCAAGGAGCGGGTGCCTGAGCTTTG  
 AACGGCGATATCATGTCACAGACCCCTTTATCCGACGGCTGGGCCTGGAGCGGAGCTTCAGGGACTC  
 AGGCTGTGTCAACTGTCTGGAGTGAATGAGAAAAGGAGACCTGTGGCGTCTGGTCCGACGACACAGC  
 ACCATTGTGTGGGACCCACTGCACCACAAGAAGCTGCTGTCCATGCACACAGGACACACAGCAAATATCT  
 TCTCTGTCAAGTTCCTGCCTCATGCTGGAGACCGCATTGATACGCGGGCAGCTGACTCCAAGGTGCA  
 CGTCCACGACCTACGGTAAAGGAGACGATCCACATGTTTGGAGACCACAAAACCGGGTGAAGCGCATT  
 GCCACGGCGCCCATGTGGCCTAACACGTTCTGGAGCGCCGAGAGGATGGGCTTATCCGCCAGTATGACC  
 TTCGGGAGAACAGCAAACACTCAGAGGTGCTGATTGACCTAACAGAATACTGTGGCCCGATGGTGGAGGC  
 CAAGTGCCTCACCGTCAACCCCAAGGATAACAACCTGCCTGGCAGTAGGGGCCAGTGGGCCCTTTGTGAGG  
 CTCTATGACATTCGAATGATCCACAACCACAGAAAGAGCATGAGGCAGAGCCCTCCGCAGGCGTGCATA  
 CCTTCTGTGACCGACAGAAAGCCCTTCCGGACGGTGCAGCGCAGTATTATGTCGACAGTCACTGCCGGT  
 GAAGTGCCTGACTATAACAGCCGTCTGAGAGTGTGGTGGCACCTATGTGACCTTCAGCCCAATGGC  
 ACAGAGCTGTAGTCAACATGGGAGGAGAGCAGGTGATCTGTTTACTTACTTACAAGCAACGGCCAT  
 ATACCTTCTCTTGCCTAGAAAATGCCACTCCGTGGAAGTCCAGAACGGCAAGATGTCTACTAACGGGGT  
 GTCCAACGGCGTGTGCAATGGCCTACACCTTACAGCAACGGCTTCCGGTGCAGAGAGCAAGGGGTGC  
 ATCAGCCCCCAGGTGGAGCTGCCCCATACCTGGAGCGTGTGAAGCAGCAGGCCAATGAAGCCTTCGCT  
 GCCAGCAGTGGACCCAGGCCATCCAGCTCTACAGCCAGGCTGTGCAGAAGGCCCCGACAACGCTATGCT  
 CTATGGCAACCGAGCTGCCGCTACATGAAGCGCAAGTGGGACGGGGACCACTATGATGCCCTCCGGGAC  
 TGCCCTCAAGGCCATCTCCCTAAACCCTTCCACCTGAAGGCACACTTCCGTCTGGCCCGGTGCCTTTTG  
 AACTGAAGTATGTGGCCGAGGCTCTGGAGTGCCTGGATGACTTCAAAGGGAAGTCCAGAGCAGGCCCA  
 CAGCAGTGCATGTGACGCATTAGGCCGGGACATCACAGCTGCCCTTTTCTCCAAAAGTATGGTGGAGG  
 AAGAAGGCAGCTGGTGGTGGTGGTCCAGTTCGCCTTCCGAGCACAAGTCGCAAGGACTCCATCTCAG  
 AAGACGAAATGGTGTACGGGAACGGAGCTACGACTATCAGTCCGCTACTGTGGGCACTGCAACACCAC  
 CACGGATATCAAGGAGGCCAATTTCTTTGGCAGCAATGCTCAGTACATTGTGAGCGGCTCTGATGACGGC  
 TCCTTCTCATCTGGGAAAAGGAGACCACCAACCTCGTCCGAGTGTGCAGGGGGATGAGTCCATTGTCA  
 ACTGCTTGCAGCCCCATCCCAGCTACTGCTTCCGTGGCCACCAGTGGCATCGACCTGTTGTGCGACTGTG  
 GAACCCACGACCAGAGAGTGAAGACCTCACAGGCCGAGTTGTGGAAGATATGGAGGGTGCATCTCAGGCC  
 AACCCAGCGGCGCATGAATGCCAACCCCTGGAGGCGATGCTGCTGGACATGGGCTATCGGATCACAGGCC  
 TGAGCAGCGGGGGCGCCGGGGCTCTGATGACGAGGACAGCGCAGAGGGCCAGGTGCAGTCCCGCCAG  
 C

**ACGCGT**ACGCGGGCCGCTCGAG – GFP Tag – GTTTAA

**Protein Sequence:** >MG219000 representing NM\_199306  
 Red=Cloning site Green=Tags(s)

```
MAKVNITRDLIRRQVKERGALSFERRYHVTDPFIRRLGLEAELQGHSGCVNACLEWNEKGDLLASGSDQH
TIWVDPPLHHKLLSMHTGHTANIFSVKFLPHAGDRILITGAADSKVHVHDLTVKETIHMFGDHTNRVKRI
ATAPMWPNTFWSAEDGLIRQYDLRENSKHSEVLIDLTEYCGPMVEAKCLTVNPQDNNCLAVGASGPFVR
LYDIRMIHNHRKSMRQSPSAGVHTFCDRQKPLPDGAAQYYVAGHLPVKLPDYNRLRVLVATYVTFSPNG
TELLVNMGGEQVYLFDLTYKQRPYTFLLPRKCHSVEVQNGKMNSTNGVSNGLHLHNSGFRLPESKGC
ISPQVELPPYLERVKQQAANAFACQQWTAIQLYSQAVQKAPHNAML YGNRAAAYMKRkWGDHYDALRD
CLKAISLNPCHLKAHFLARCLFELKYVAEAELECLDDFKGKFPQAHSSACDALGRDITAALFSKSDGEE
KKAAGGGGGPVRLRSTSRKDSISEDEMLRERSYDYQFRYCGHCNTTTDIKEANFFGSNAQYIVSGSDDG
SFFIWEKETTNLVRVLQGDSEIVNCLQPHPSYCFLATSGIDPVVRLWNPPESEDLTGRVVEDMEGASQA
NQRMMNANPLEAMLLDMGYRITGLSSGGAGASDDEDSAEGVQVCRPS
```

TRTRPLE - GFP Tag - V

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_199306

**ORF Size:** 2031 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\\_199306.4](#), [NP\\_955010.1](#)

**RefSeq Size:** 4175 bp

**RefSeq ORF:** 2034 bp

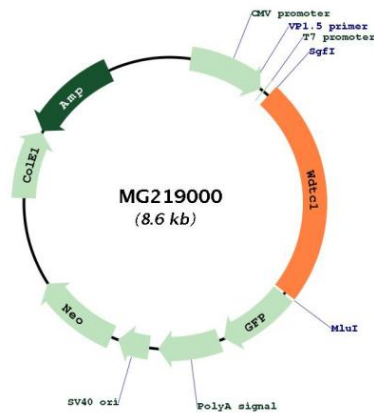
**Locus ID:** 230796

**UniProt ID:** [Q80ZK9](#)

**Cytogenetics:** 4 D2.3

**Gene Summary:** May function as a substrate receptor for CUL4-DDB1 E3 ubiquitin-protein ligase complex. [UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MG219000