

## Product datasheet for **MR219000**

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

#### **Product data:**

|                           |                                          |
|---------------------------|------------------------------------------|
| Product Type:             | Expression Plasmids                      |
| Product Name:             | Wdtd1 (NM_199306) Mouse Tagged ORF Clone |
| Tag:                      | Myc-DDK                                  |
| Symbol:                   | Wdtd1                                    |
| Synonyms:                 | adipose; adp; Gm695                      |
| Mammalian Cell Selection: | Neomycin                                 |
| Vector:                   | pCMV6-Entry (PS100001)                   |
| E. coli Selection:        | Kanamycin (25 ug/mL)                     |



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**ORF Nucleotide  
Sequence:**

>MR219000 representing NM\_199306  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGC**

ATGGCAAAAGTCAACATAACTAGAGACCTCATTCTAGGCAAGTCAAGGAGCGGGTGCCCTGAGCTTTG  
 AACGGCGATATCATGTACAGACCCCTTTATCCGACGGCTGGGCTGGAGCGGAGCTTCAGGGACACTC  
 AGGCTGTGTCAACTGTCTGGAGTGAATGAGAAAGGAGACCTGCTGGCGTCTGGTCCGACGACACAGC  
 ACCATTGTGTGGGACCCACTGCACCACAAGAAGCTGCTGTCCATGCACACAGGACACACAGCAAATATCT  
 TCTCTGTCAAGTTCCTGCCTCATGCTGGAGACCGCATTTTGATCACGGGGCAGCTGACTCCAAGGTGCA  
 CGTCCACGACCTTACGGTAAAGGAGACGATCCACATGTTTGGAGACCACAAAACCGGTGAAGCGCATT  
 GCCACGGCGCCCATGTGGCTAACACGTTCTGGAGCGCCGAGAGGATGGGCTTATCCGCCAGTATGACC  
 TTCGGGAGAACAGCAAACTCAGAGGTGCTGATTGACCTAACAGAATACTGTGGCCGATGGTGGAGGC  
 CAAGTGCCTCACGTCACCCCAAGGATAACAACCTGCCTGGCAGTAGGGGCCAGTGGGCCCTTTGTGAGG  
 CTCTATGACATTCGAATGATCCACAACCACAGAAAGAGCATGAGGCAGAGCCCTCCGCAGGCGTGATA  
 CCTTCTGTGACCGACAGAAGCCCTTCCGGACGGTGCAGCGCAGTATTATGTGCGAGGTCACCTGCCGGT  
 GAAGCTGCCTGACTATAACAGCCGTCTGAGAGTGTGTTGCCACCTATGTGACCTTCAGCCCCAATGGC  
 ACAGAGCTGCTAGTCAACATGGGAGGAGAGCAGGTGTATCTGTTTGACTTGACTTACAAGCAACGGCCAT  
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 AACTGAAGTATGTGGCCGAGGCTCTGGAGTGCCTGGATGACTTCAAAGGGAAGTCCCAGAGCAGGCCCA  
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 GAACCCACGACCAGAGAGTGAAGACCTCACAGGCCGAGTTGTGGAAGATATGGAGGGTGCATCTCAGGCC  
 AACCAGCGGCGCATGAATGCCAACCCCTGGAGGCGATGCTGCTGGACATGGGCTATCGGATCACAGGCC  
 TGAGCAGCGGGGCGCCGGGGCTCTGATGACGAGGACAGCGCAGAGGGCCAGGTGCAGTGCCGGCCAG  
 C

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

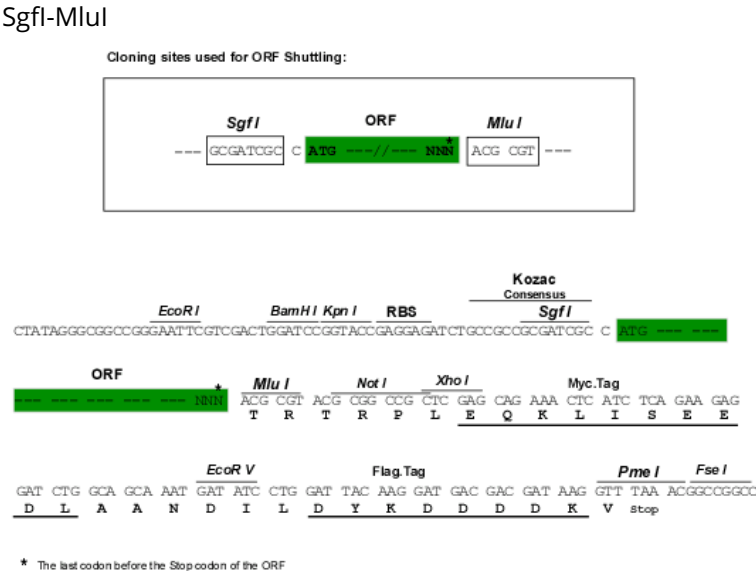
Protein Sequence: >MR219000 representing NM\_199306  
 Red=Cloning site Green=Tags(s)

MAKVNITRDLIRRVKRGALSFERRYHVTDPFIRRLGLEAELQHGSGVCNLEWNEKGDLLASGSDQHQ  
 TIWVDPPLHHKLLSMHTGHTANIFSVKFLPHAGDRILITGAADSKVHVHDLTVKETIHMFGDHTNRVKRI  
 ATAPMWPNTFWSAAEDGLIRQYDLRENSKHSEVLIDLTEYCGPMVEAKCLTVNPQDNNCLAVGASGPFVR  
 LYDIRMIHNRKSMRQSPSAGVHTFCDRQKPLPDGAAQYVYVAGHLPVKLPDYNRLRVLVATYVTFSPNG  
 TELLVNMGGEQVYLFDLTYKQRPYTFLLPRKCHSVEVQNGKMSSTNGVSNGLHLHSNGFRLPESKGC  
 ISPQVELPPYLERVKQQAANAFACQQTQAIQLYSQAVQKAPHNAML YGNRAAAYMKRKWDGDHYDALRD  
 CLKAISLNPCHLKAHFLARCLFELKYVAEAECLDDFKGKFPEQAHSSACDALGRDITAALFSKSDGEE  
 KKAAGGGGGPVRLRSTSRKDSISEDEMLRERSYDYQFRYCGHCNTTTDIKEANFFGSNAQYIVSGSDDG  
 SFFIWEKETTNLVRVLQGDSEIVNCLQPHPSYCFLATSGIDPVVRLWNPPESEDLTGRVVEDMEGASQA  
 NQRRMNANPLEAMLLDMGYRITGLSSGGAGASDDEDSAEGQVQCRPS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

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.

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

**RefSeq:** [NM\\_199306.4](#), [NP\\_955010.1](#)

**RefSeq Size:** 4175 bp

**RefSeq ORF:** 2034 bp

**Locus ID:** 230796

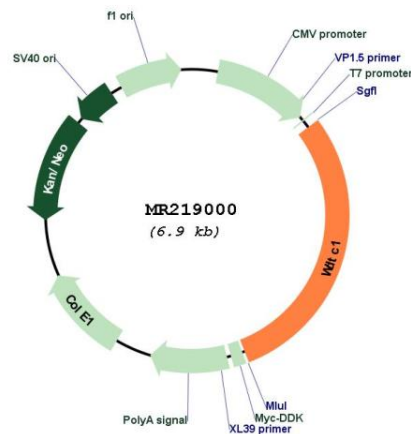
**UniProt ID:** [Q80ZK9](#)

**Cytogenetics:** 4 D2.3

**MW:** 76.2 kDa

**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 MR219000