

## Product datasheet for **MG216117**

### **Wdr41 (NM\_172590) Mouse Tagged ORF Clone**

#### **Product data:**

<b>Product Type:</b>	Expression Plasmids
<b>Tag:</b>	TurboGFP
<b>Symbol:</b>	Wdr41
<b>Synonyms:</b>	B830029I03Rik; MSTP048
<b>Mammalian Cell Selection:</b>	Neomycin
<b>Vector:</b>	pCMV6-AC-GFP (PS100010)
<b>E. coli Selection:</b>	Ampicillin (100 ug/mL)



**ORF Nucleotide Sequence:** >MG216117 representing NM\_172590  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCGCGATCGCC

ATGCTGCGCTGGCTGATCGGAGGAGGCCGCGAGCCGAGGGCTAGCCGAGAAAGCTGCTTTCAGACAA  
 TAGGAGAGGACCAAGGTCAGAACCCTATACTGAAGTCTGGTACTGGAGGCTCATCGCGACATTGTCGG  
 CTTCTGCTGAGGCTCGATGACTTCAGGTTTGCATCTGCTGGCGATGATGGAATTATAGTTGTGGAAT  
 GCCCAGACAGGAGAAAACTTCTGGAAGTCTGAGGACACACTCAGAAGATAACGGGTGTCATTGCGTTTC  
 CTCCCCTAGACTCGTGTGAGGCCAGCAGTCAGCTTCTCTTGACAGCCTCGGTGACCGGACTGTCGGTGT  
 TTGGGATTGCGACACCGCCGGCAAATCCAGAGAGTCACGTGCTTCCAGTCTACGGTAAAGTCTTGACC  
 GTTCTTCAGAGACTGGACATTTGGCTGTCAGGCGGTAGTGACCTAGGCGTGTGGAACCGAAAAGTTAGATC  
 TGCTGTGTAACACAGCCACCTATCCGACACAGGGATCAGTCTTTGGTTGAAATCCCTGGGAAGTGTGT  
 CGCCGACAGCAGTGGCAGAGAATTGATAATTTTAGGCTTGTGACACCCACAGAAGAATTGCCGGAATGG  
 GATATTATTGAAGTTAAACGCCTTCTTGATCACCAGGACAATATTCTGTATTGGCTAACATCAATGATA  
 CAGGTTTCGCTCACTGGCTCCCACGTTGGCGAGCTGCTCATCTGGGATGCCCTGGACTGGACTGTGCAAGC  
 CTGTGAGCGCACCTTCTGGAGCCCAGCCGACAGCTGGATGCCAGCAGGAAAATAAGCTCTTCCAAAA  
 CAAAATGATATTTCTAATTAATCATTACATGCGATGAAGAGAATATTTGCTGCAGTTGGAAGGGGT  
 TATATGTGTATAACCTACAGTTGAAGCGTGTGATTGCCTGCCAGAAAAGTGCACATGATTTCCAACATCCT  
 ACACATCGATAAACTTCCAAACAGGCAATTAATCTCATGCTCGGAAGATGGCGCTGTGCGCATGTGGGAG  
 GTCCGAGAAAAACAGCAGCTGGCAGCTGAGCCAGTCCCAACAGGATTTTTTAATATGTGGGATTGGAA  
 GAGTAAACAACAGGCCAGCCAGCTGTTAAAAAGCAGGAAGAAAACGTTACCAGTGTTCCTGGAGCT  
 CATCGGAGATCTCATTGGACATTCATCGTCTGTGAGATGTTTCTATACTTTGAGGATCATGGACTAGTG  
 ACATGCTCTGCAGATCATCTCATTATTTGTGGAAAAATGGAGAGCGAGAATCTGGAGTACGCGAGCTTAA  
 AGTTATTTCCAGAAGTTAGAAGAGACGGTGACTTATACCCAGAGTCCCCT

ACGCGTACGCGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >MG216117 representing NM\_172590  
 Red=Cloning site Green=Tags(s)

MLRWLIGGGREPQGLAEKAALQTIGEDQGQNPYTELLVLEAHRDIVRFLVRLDDFRFASAGDDGIIVVWN  
 AQTGEKLELRGHTQKITAVIAFPPLDSCASSQLLITASADRTVGVWDCDTRQIQRVTCFQSTVKCLT  
 VLQRLDIWLSGGSDLGVWNRKLDLLCKTSHLSDTGISALVEIPGNCVAAAAGRELIIIFRLVTPTEELPEW  
 DIEVKRLLDHQDNILSLANINDTGFVTGSHVGELLIWDALDWTVQACERTFWSPQALDAQEIKLFQK  
 QNDISINHFTCDEENIFAAVGRGLYYVNLQKRVIAQKTAHDSNILHIDKLPNRQLISCSDEGAVRMWE  
 VREKQQLAAEPVPTGFFNMWGFGRVKNQASQPVKKQEENVTTCSLELIGDLIGHSSSVEMFLYFEDHGLV  
 TCSADHLIILWNGERESGVRSLKLFQKLEENGDLYPEP

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**


**ACCN:** NM\_172590

**ORF Size:** 1380 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\\_172590.3](#), [NP\\_766178.2](#)

RefSeq Size: 3063 bp

RefSeq ORF: 1383 bp

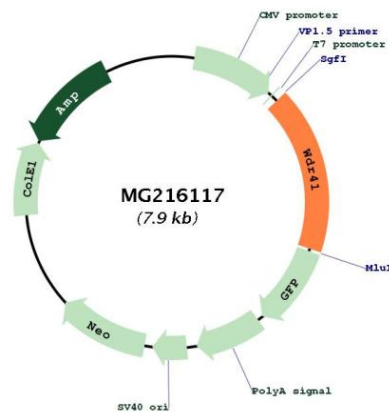
Locus ID: 218460

UniProt ID: [Q3UDP0](#)

Cytogenetics: 13 C3- D1

**Gene Summary:** This gene encodes a protein of unknown function, but which contains a WD40 domain consisting of six WD40 repeats. The WD40 domain is one of the most abundant protein domains in eukaryotes, and is found in proteins with widely varying cellular functions. However, proteins with this domain often provide a rigid scaffold for protein-protein interactions. [provided by RefSeq, Aug 2012]

### Product images:



Circular map for MG216117