

## Product datasheet for **MG227328**

### Wdr36 (NM\_144863) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Wdr36 (NM_144863) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Wdr36
Synonyms:	5730444A13Rik; Ta-wdrp
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG227328 representing NM\_144863  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCGGAGATGGAGAGCGCTGTGGAAGGCCGCACGGCCAGCGTCTGTTTCGCGGGTCCGGCCCTTGG  
 GGCTGTTCAAGCAACGAGGTTCCACACGTGGTACAGCGCGCTCAAGCGCCGCTTCTACGTGACGAC  
 TTGCGTGGCAAGAGCTTCCACACATATGACGTTCAAGAACTTAGTCTGTTGCAGTAAGTAACTCTGTT  
 CCACAGGATATCTGTTGCATGGCAGCCGATGGGAGGCTAGTCTTCGCTGCATATGGGAACGTTTTCTCTG  
 CTTTTGCCGGAATAAGAGATAGTACATACTTTAAGGGCCATAAGGCAGAAATACATCTTTTGAACCC  
 CTTTGGGGATCACGTTATCTCAGTGGATACTGACAGCGTCTTATTATTGGCACATTTATTGAGAAGAA  
 GAATACCTTCAGCTGACTTTTGACAAGTCAGTTTTTAAAATCTCTACAATTTGCATCCAAGCACCTATT  
 TGAATAAAGTCTACTGGGCAGTGAGCAGGGAAGCCTACAGTTATGGAATATAAAGTCCAATAAGCTTCT  
 ATATACATTTCCAGGGTGGAAAGTTGGAGTGACAGCTCTCAACAGGCACCAGCTGTGGATGTTGTTGCC  
 ATTGGTCTTGTGCTGGTCAAGTTGTCATTACAAACATTAAGTATGATGAAACATTAATGAAGTCCATC  
 AGGACTGGGGACCCATTACTTCCATTTCAATTCGCACAGATGGTCAATTAATGGCAGCTGGAAGCCC  
 GTGTGGCCATATTGGACTCTGGGATCTGGAAGCAAAAAATTAATTAATCAAATGAGAAATGCACACTCT  
 ACAGCAATATCTGGGCTGACATTTCTCCATAGAGAGCCGTTGCTTGTACAAATGGCGCTGATAATGCTC  
 TTAGGATATGGATCTTTGACGGCCCCGCGGGTGAAGGACGGTGTGGAGATTGAGAAATGGGCGATAGTGC  
 TTCTCTTACCAAGATTAGATATTATGGACAAAAATGACAGCAGATTTTAAAGTCAAGTCAAGATGGGACT  
 CTACAGTCATTTCTACAGTTCATGAAAAATCAACAAGAGCTTGGGTCATGGATTAGTAAACAAAAAGA  
 TAGTTAAACGGAAAGGACTTCAGAACACCATGTCAGTAAGGCTCCACCTATCACACAGTTTGGCTGCTGA  
 GGAAGCTCGTCAAAGTGACTGGGATGGTATCATTGCTTGCATCAAGGGAAGCGGCTTGTCTCAACCTGG  
 AATTACCAAAGGTCTACAATAGGTGCTTATTTTCTCAAGCCCAGAGGTGTAAGACAAATAGCAACCTCA  
 CTGCAACAGCAGTAGATATAACTTCTGTGAAACTTTGCAATAATTGGCCTCTCTTCAGGAGCTGTAGA  
 TGTGTATAACATGCAGTCTGGTATACATCGAGGAAATTTGGAGATGATAAAGCTCACACCGGCTCTGTT  
 AGAGGTGTTGCCGTGGATGGATTAACCAGCTGGTGGTTACAGCTGGAAGTGAACGGTACTCAAATTTCT  
 GGAACCTTAAAAGCAAAGTTTGTATCCACTCTCTGGCCTTGATTCGCTCCAAATATGATGCTGCTACA  
 CAGGGACAGCGGCATCTGGCCTTGCTATGGATGACTTCTCCATTGCTGCTCCTCGACATAGAGACTAGG  
 AAGATCGTCAGAGAGTTTCTGGACACCACGGCCAAATAAATGACATGGTAAAACAAACAGCTTTTCAGA  
 TCAGCTCACTCATCTCCTGTTTAGGAGAAAGATGTTTAAATAAT

**ACGCGTACGCGGCCGCTCGAG** – GFP Tag – GTTTAA

**Protein Sequence:**

>MG227328 representing NM\_144863  
 Red=Cloning site Green=Tags(s)

MAEMESAVEGRTASVLFAGFRALGLFSNEVPHVVRYSALKRRFYVTTTCVSKSFHTYDVQKLSLVAVSNSV  
 PQDICCMAADGRLVFAAYGNVFSAFARNKEIVHTFKGHKAEIHLQPFGDHVISVDTDSVLIWHIYSEE  
 EYLQLTFDKSVFKISTILHPSTYLNKVLGSEQGSLLWNKSNKLLYTFPGWKVGVVTAALQAPAVDVVA  
 IGLVSGQVVIHNIKYDETLMKFHQDWGPITISIFRTDGHPIAAGSPCGHIGLWLEDKKLINQMRNAHS  
 TAISGLTFLHREPLLVTNGADNALRIWIFDGPAGEGRLLRFRMGHSASLTKIRYYGQNGQILSASQDGT  
 LQSFSTVHEKFNKSLGHGLVNKKIVKRKGLQNTMSVRLPPITQFAAEEARQSDWDGIIACHQGRSCSTW  
 NYQRSTIGAYFLKPRGVKTNLNTATAVDITSCGNFAIIGLSSGAVDVYNNMQSGIHRGNFGDDKAHTGSV  
 RGVAVDGLNQLVVTAGSERLLKFWNFKSKVLIHSLGLDSSPNMMLLHRDSGILGLAMDDFSIAVLDIETR  
 KIVREFSGHHGQINDMVKQTAFAQISSLISCLGERCLNN

**TRTRPLE** – GFP Tag – V

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_144863

**ORF Size:** 1794 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\\_144863.4](#), [NP\\_659112.2](#)

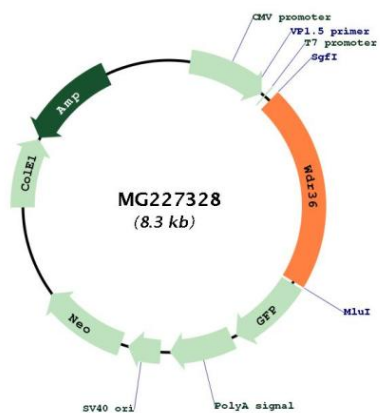
**RefSeq Size:** 2161 bp

**RefSeq ORF:** 1797 bp

**Locus ID:** 225348

**Cytogenetics:** 18 B1

Product images:



Circular map for MG227328