

## Product datasheet for **MG211595**

### Wdr62 (BC054747) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Wdr62 (BC054747) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Wdr62
Synonyms:	MGC31423
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG211595 representing BC054747 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCTGCCTTAGCGGCCGAGGTTATACGGGAGTGACACGATAGAAAAGCTGTCCTCTGTCATGGCGG  
GAGTTCGGCGCGGAGAAACCAGTCTCCCGCCTCTGCCCCACCGCTCTGCCTCCGGCGCGGACCGG  
ACTCGCGCGGCTCCCGAGGACTGTGCAGAACCGGGTGACACTTGAGAAGGTGCTTGGCATCACAGCC  
CAGAACAGCAGCGGGCTAACCTGTGACCCTGGCACAGGCCATGTGGCCTACTTAGCAGGGTGCCTGGTGG  
TGGTCTTGAACCCCAAGGAGAACAAGCAGCAGCATATATTTAACACAACCAGGAAGTCCCTGAGTGTCT  
GGCCTTCTCCCCAGATGGGAAGTACATAGTGACAGGAGAGAATGGACACCGGCCAGCTGTGCGCATCTGG  
GATGTGGAGGAGAAGACTCAAGTGGCAGAGATGCTGGGCCACAAGTATGGTGTGGCCTGTGTGGCTTTCT  
CACCCAATATGAAGCACATCGTGTCCATGGGCTACCAACATGACATGGTCCCTCAATGTTGGGATTGGAA  
GAAAGACATTGTGGTGGCTTCCAACAAGGTGTCATGTAGAGTCATCGCTCTCTCTTCTCTGAGGACAGC  
AGCTATTTTGTACCGTTGGGAATCGGCATGTGAGGTTTTGGTCTTAGAAGCCTCTACTGAGGCCAAGG  
TAACCAGCACAGTGGCCCTGGTAGGACGCTCAGGCATCCTGGGTGAGCTGCACAACAATATCTTTTGTGG  
CGTGGCCTGCGGCCGGGGCCGGATGGCAGGCAATACCTTCTGTGTGCTCTACTTGGCCTCCTCTGCCAG  
TTCAATGAGAAAAGGGTCTGGACAAGTGGATCAACCTGAAGTCTCCTTGTCTTCTGCTGTGTGTCAT  
GTGACGAGTTGATCTTCTGTGGATGCACAGACGGGATAGTCCGCATCTTCCAGGCCACAGCCTACTCTA  
CCTCACCAACCTGCCAAACCACACTACCTGGGAGTGGACGTGGCCCACGGACTGGACTCCAGCTTCTCT  
TTCCACAGAAAAGCAGAAGCAGTCTACCCAGATACAGTGGCCCTGACCTTTGACCCCGTCCACCAGTGGC  
TGTCTGTGTTTACAAAGACCACAGCATCTACATCTGGGATGTCAAGGACATTGATGAAGTCAGCAAGAT  
ATGGTCAGAGCTTCCACAGCTCTTTGTCTGGAATGTAGAGGTGTACCCTGAATTTGAAGACCAGAGA  
GCTTGCCTGCCGTCGGGACTTTTCTGACTTGTCTCCTCAGACAATACCATCCGCTTCTGGAATTTGGATA  
GCGCCTCTGACTCGATGGCAAAGAACATCTCAGCGATTCTCTGCTGAAGGTGGTCTATGTAGAGAA  
TGACATCCAGCACCTGCAGGACCTGTCTCACTTCCAGACCGGGCAGTGAGAACGGCACTCCCATGGAT



[View online »](#)

ATGAAAGCTGGGGTTCGAGTCATGCAGGTCAGTCTGACGGCCAGCACTTGGCTTCAGGCGACCGCAGTG  
 GAAATCTGAGGATCCACGAGCTGCACCTTCATGGATGAGCTGATCAAGGTGGAGGCCACCATGCTGAGGT  
 GCTGTGCTGGAGTACTCCAAGCCTGAGACAGGAGTGACTTTGCTGGCTTCAGCCAGTCGGGACAGACTC  
 ATCCATGTGTTAAACGTGGAGAAGAACTACAACCTGGAGCAGACCCTGGACGACCACTCCTCCTCATCA  
 CAGCCATTAAGTTTGGCTGGCACCAGAGATGTCCAGATGATCAGTTGTGGAGCTGACAAGAGCATCTACTT  
 TCGCAGTGGCCAGCAGGCCTCGGATGGACTGCACCTTTGTCGTAACCCACACGTAGCAGAGAAGACCACC  
 TTGTATGACATGGATATCGACATCACACAGAAGTATGTGGCAGTGGCCTGCCAGGACCGCAACGTAAAGG  
 TCTACAACACCGTGAGTGGGAAACAGAAGAAGTGTACAAGGGTTCCAGGGCGACGAAGGGTCCCTGCT  
 GAAGGTCCACGTGGACCCCTCAGGCACCTTCTGGCCACAAGCTGCTCTGACAAAAGCATCTCCTTGATT  
 GACTTTTACTCGGGCGAGTGTGTTGCCAAGATGTTTGGCCATTCCGAAATTGTCAGTGGCATGAAGTTCA  
 CCTACGACTGCCGCCACTTGATCACAGTATCTGGAGACAGCTGTGTTCATCTGGCACCTGGGCCCGGA  
 GATCACCACCTGCATGAAGCAGCACTTGTGGAGATCAACCACCAGGAGCAGCAGCAGCAGCCAAAGGAC  
 CAGAAGTGGAGTGGCCCTCCAGCCAGGAGACATATGCATCCACACCAAGTGAGATTCGTTCCCTGAGCC  
 CTGGAGAGCAGACAGAGGATGAGATGGAGGAGGAATGTGAGCCAGAAGAGTTGCTGAAAACACCATCCAA  
 AGACAGCTTGGACCCAGATCCTCGATGCCTGCTGACAAATGGCAAGCTGCCACTTGGGCAAAGCGGCTG  
 CTAGGGGATGATGATGTGGCAGACAGCTCAGCTTCCACGCCAAGCGCAGCTACCAGCCACATGGCCGTT  
 GGGCAGAGCGGGCTGAGCAGGAACCCCTCAAGACCATCCTGGATGCCTGGAGCCTGGATTCTACTTTAC  
 ACCCATGAAGCCTGAAAATCTCCAAGACTCTGTTCTGGACTCAGTAGAGCCACAGAACCTGGCAGGCCTG  
 CTAAGTGAGTGTCACTCGGTAATGGACACACGTCTCCGGGAGAAGGCTTGGTGAGCTACCTACTTCACC  
 CAGAGTTAGGGAGTCCCAAAGAGGACAACCGAGGCCACCCTCCTACCTGCCTCTACAGAGGGAAGCCAC  
 CGAGGCAAGCGAACTCATCCTCTGCTCCCAGAGGCGGAAGTGTCACTTACAGGGATGCACAGGGAGTAT  
 TATGAGGAGGAGACAGAGGCAGGACCTGAAGACCAGCAAGGCGACACCTATCTCAGGGTCTCTCCGTC  
 GTTCAAAGGATCAGAGCCCCCTGAGGACTCAGGGGAGTCAGAGGCTGAAGTGGAGTGCAGCTTTGCCGC  
 CGCCACAGCTCAGCTCCTCAAACGGACCTGGCCCTCACCTCACCATGACAGCAGCAGCTGCTCCGCGTG  
 ACTCAGAGTGCTGACAAGTCTCTCCACCTGCCTCCATCCAGAGTACCCAAGTACAGAAGAGCTTTCC  
 CAGCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:**

>MG211595 representing BC054747  
 Red=Cloning site Green=Tags(s)

MAALAAGGYTRSDTIEKLSVVMAGVPAARRNQSSPPPAPPLCLRRRRLAAAPEDTVQNRVTLEKVLGITA  
 QNSSGLTCDPGTGHVAYLAGCVVVVLPKFNKQHIIFNTRKSLSALAFSPDGKYIVTGENGHRPAVRIW  
 DVEEKTQVAEMLGHKYGVACVAFSPNMKHI VSMGYQHDMVLNVWDWKKDIVVASNKVSCRVIALSFSEDS  
 SYFVTVGNRHRVRFWFLEASTEAKVTSTVPLVGRSGILGELHNNIFCGVACGRGRMAGNTFCVSYSGLLCQ  
 FNEKRVLDKWINLKVSLSSCLCVSDELIFCGCTDGIIVRIFQAHSLLYL TNLPKPHYL GVDVAHGLDSSFL  
 FHRKAEAVYPDTVALTFDPVHQWL SCVYKDHSIYIWDVKDIDEVSKIWSELFHSSFVWNVEVYPEFEDQR  
 ACLPSGFTLTCSNDNIRFWNLDSASDTRWQKNIFSDSLKVVYVENDIQHLQDL SHFPDRGSENGTPMD  
 MKAGVRVMQVSPDQHLASGDRSGLRIHELHFMDLIKVEAHDAEVL CLEYSKPETGVTL LASASRDRL  
 IHVNLVEKNYNLEQTLDDHSSSITAIKFASTRDVQMI SCGADKSIYFRSAQQASDGLHFVRTHHVAEKT  
 LYDMDIDITQKYVAVACQDRNVRVYNTVSGKQKCYKSGQDEGSLLKVHVDPSTGFLATSCSDKISLI  
 DFYSGECVAKMFHSEIVTGMKFTYDCRHLITVSGDSCVFIWHLGPEITTCMKQHLL EINHQEQQQPKD  
 QKWSGPPSQETYASTPSEIRSLSPGEQTEDEMEEECEPEELLKTPSKDSLDPDRCLL TNGKLP L WAKRL  
 LGDDVDVADSSAFHAKRSYQPHGRWAERAEQEPLKTI LDASLDSYFTPMKPENLQDVLDSVEPQNLAGL  
 LSECSLNGHTSPGGLVSYLLHPELGSPEKEDNRGHPSYLP LQREATEASELILCSPEAEVSLTGMHREY  
 YEEETEAGPEDQGDYLRVSSVSKDQSPPEDSGESEAELECSFAAAHSSAPQTDPGPHLTMTAASSAV  
 TQSADKSSPPCLPSRVPKYRRAFP

TRTRPLE - GFP Tag - V

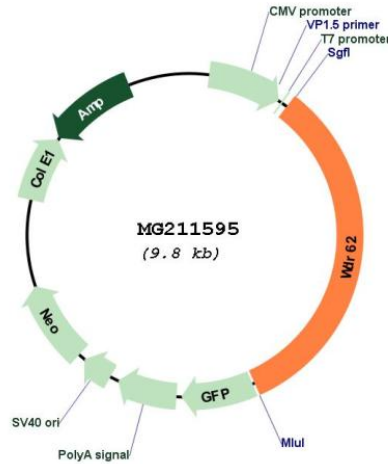
**Restriction Sites:**

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: BC054747

ORF Size: 3227 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.

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">BC054747</a></u> , <u><a href="#">AAH54747</a></u>
<b>RefSeq Size:</b>	4801 bp
<b>RefSeq ORF:</b>	3227 bp
<b>Locus ID:</b>	233064
<b>Cytogenetics:</b>	7 B1