

Product datasheet for **MG211422**

Wdr62 (BC057041) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Wdr62 (BC057041) 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)



[View online »](#)

ORF Nucleotide Sequence:

>MG211422 representing BC057041
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCAGGTCAGTCTGACGGCCAGCACTTGGCTTCAGGCGACCGCAGTGGAAATCTGAGGATCCACGAGC
 TGCACCTTCATGGATGAGCTGATCAAGGTGGAGGCCACGATGCTGAGGTGCTGTGCTGGAGTACTCCAA
 GCCTGAGACAGGAGTGACTTTGCTGGCTTCAGCCAGTCGGGACAGACTCATCCATGTGTTAAACGTGGAG
 AAGAACAACAACCTGGAGCAGACCCTGGACGACCACTCCTCCTCCATCACAGCCATTAAGTTTGCTGGCA
 CCAGAGATGTCCAGATGATCAGTTGTGGAGCTGACAAGAGCATCTACTTTCGAGTGCCACGAGGCCTC
 GGATGGACTGCACCTTTGCTCGTACCCACCACGTAGCAGAGAAGACCACCTTGTATGACATGGATATCGAC
 ATCACACAGAAGTATGTGGCAGTGGCTTCCAGGACCGCAACGTAAGGGTCTACAACACCGTGAGTGGGA
 AACAGAAGAAGTCTACAAGGGTCCCAGGGCGACGAAGGGTCCCTGCTGAAGGTCCACGTGGACCCCTC
 AGGCACCTTCTGGCCACAAGCTGCTCTGACAAAAGCATCTCCTTGATTGACTTTTACTCGGGCAGTGT
 GTTGCCAAAGATGTTTGGCCATTCGAAATTTGCTACTGGCATGAAGTTCACCTACGACTGCCGCCACTTGA
 TCACAGTATCTGGAGACAGCTGTGTGTTTCATCTGGCACCTGGGCCCGGAGATCACCACTGCATGAAGCA
 GCACCTTGCTGGAGATCAACCACCAGGAGCAGCAGCAGCCAAAGGACCAGAAGTGGAGTGGCCCTCCC
 AGCCAGGAGACATATGCATCCACACCAAGTGAGATTTCGTTCCCTGAGCCCTGGAGAGCAGACAGAGGATG
 AGATGGAGGAGGAATGTGAGCCAGAAGAGTTGCTGAAAACACCATCCAAGACAGCTTGGACCCAGATCC
 TCGATGCCTGTGACAAATGGCAAGCTGCCACTCTGGGCAAGCGGCTGCTAGGGGATGATGATGTGGCA
 GACAGCTCAGCTTCCACGCCAAGCGCAGCTACCAGCCACATGGCCGTTGGCAGAGCGGGCTGAGCAGG
 AACCCCTCAAGACCATCCTGGATGCCTGGAGCCTGGATTCTACTTTACACCCATGAAGCTGAAAATCT
 CCAAGACTCTGTTCTGGACTCAGTAGAGCCACAGAACCTGGCAGGCCTGCTAAGTGAGTTAGGGAGTCCC
 AAAGAGGACAACCGAGGCCACCCCTCCTACCTGCCTCTACAGAGGGAAGCCACCGAGGCAAGCGAACTCA
 TCCTCTGCTCCCCAGAGGCGGAAGTGTCACTTACAGGGATGCACAGGGAGTATTATGAGGAGGAGACAGA
 GGCAGGACCTGAAGACCAGCAAGGCGACACCTATCTCAGGGTCTCTTCCGTCAGTTCAAAGGATCAGAGC
 CCCCTGAGGACTCAGGGGAGTCAGAGGCTGAACTGGAGTGCAGCTTTGCCGCCGCCACAGCTCAGCTC
 CTCAAACGGACCCTGGCCCTCACCTCACATGACAGCAGAGTACCAAGTACAGAAGAGCTTTCCAGCC
 TGAGCTGCCAGGCTTGGGCAATGGCTCCTTACCCAGACACCTGAGCAGGAGAAGTTCCTCCGCCACCAT
 TTTGAGACACTTACTGATGCCCCACTGAAGAGCTCTTTCATGGATCCCTGGGAGACATAAAGATCTCAG
 AGACTGAGGACTATTTCTTAATCCCCGGCTGAGCATATCCACCCAGTTCCTCTCCCGCCTCCAGAAGAC
 CTCAGGTTGCCCTCCCCGACTGCCCTGCACCTTATGAAGTCTCCAGAGGCTCAGCTGTGGCCAAAGGG
 GGCAACCAGCCAAAGCAGGGGCCCTGAGAGCAGGTACTGGTACATGTCTCAGATGGGACCAACGTCC
 TCTCTGGGCAGAAAGGCTGAAGAACTCAAGAGGCTTGTAGTCTACTGGACAGGAAGCCTCCAACACCCAC
 ATCTGTACTGACCACAGGCCGGGAGCAAAGTATCTCCGCCCATCTTCTGTGTTCTTACCTGGAGTCCACA
 ACGAGCTCACATGCCAAGACGACACGCAGCATCTCTTTGGGACAGTGAGGGCCCTGTGACAGCTGAGC
 TACCCAGTCACTTACAAGCCCTTATCCCCTGGCCAGGAACTCCAAGCCATCCCCACTACAGTGGCACT
 GACCTCCAGCATCAAAGACCAGAGCCTGCACCCGCTTCTCTGGGCAACCATGAGGCCCGAGCCAGCCTG
 AAACCTGACCTTATCCAGTGTCTGTGAGCAGCTGCTCTCCACCTCCACAGGAGCCACCCATCACCCATG
 TGTGGTCTCAGGAACCTGTGGATGTCCCACCTAGTATGGCAGTCACAGTACCCAGCTTCTGTGCACCCAG
 CCCTGTAGACATGAGCACCCCTGGGACTCCACAGTTCTATGTTTCTCCAAAGACCTCAGCCTCTGGGCC
 CTAACCCCTCCTGCCACCTCCAATTCTAGAGACCAGGTCTAGGGTGCCTGGCAGCACTGCTGCTCTCC
 TGGAGCCACCCCGATGCATCAGGTGTGATCGCAGACAGCCCTGGACACTGGGACACAGAAGTCCCTAC
 CCCAGAATCCTAGGCAGTGTGGAATCAGTCTTGACAGGCTGCAGACTGCCTTCCAAGAAGCTCTTGAC
 CTTTACCGCATGTGGTCTCCAGCAGCCAGCTGGGTCTGAGCAGCAGCAGGCACAGACCGAGCTGGCCT
 CCACCTTCCACTGGATCCTCAACCAGCTAGAAGCCAGCAACTGTATGGCTGCAGTAACTTGGCCCCACC
 CCAGACTGCCTAGCCAGACCCTCTGTCCTACCTACACTTTGTCCCTGGCCAGCCAAACCTGCAG
 GCCTGCTGGAACACTACTCAGAGTTGCTGGTGAAGCAGTGAGGAGGAAGGCAAGGGGTGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG211422 representing BC057041
 Red=Cloning site Green=Tags(s)

MQVSPDQQLASGDRSGNLRHELHFMDELKVEAHDAEVLCEYSKPETGVTLASASRDRLIHVLNVE
 KNYNLEQTLDDHSSSITAIKFASTRDVQMI SCGADKSIYFRSAQQASDGLHFVRTHHVAEKTTLYDMDID
 ITQKYVAVAFQDRNVRVYNTVSGKQKCKYKGSQGDGSLKLVHVDPSGTFLATSCSDKSI SLIDFYSGEC
 VAKMFGHSEIVTGMKFTYDCRHLITVSGDSCVF IWHLGPEITTCMKQHLLLEINHQEQQQPKDQKWSGPP
 SQETYASTPSEIRSLSPGEQTEDEMEEECEPELLKTPSKDSLDPDPRCLLTNGKLPWAKRLLGDDVA
 DSSAFHAKRSYQPHGRWAERAEQEPLKILDAWSLDSYFPMKPENLQDSVLDSEVPQNLAGLLSELGSP
 KEDNRGHPYLPQREATEASELILCSPEAEVSLTGMHREYEEETEAGPEDQQGDTYLRVSSVSKDQS
 PPEDSGESEAELECSFAAAHSSAPQTDGPHL TMTAEYSTEELSQPELPGLGNGSLPQTPEQEKFLRHH
 FETLTDAPTEELFHGSLGDIKISSETDYFFNPRLSISTQFLSRLQKTSRCPRLPLHLMKSPEAQPVGQG
 GNQPKAGPLRAGTGYMSSDGTNVL SGQKAEETQEALSLDRKPPTPTSVLTTGREQISAPSSCSYLEST
 TSSHAKTTRSISLGDSEGPVTAELPQSLHKPLSPGQELQAIPTTVALTSSIKDHEPAPLSWGNHEARASL
 KLTLSSVCEQLLSPPPQEPPIHVWSQEPVDVPPSMAVTASFCAVSPVDMSTLGLHSSMFLPKTSASGP
 LTPPAHLQLETRSVPGSTAALLEPTPDASGVIADSPGHWDTEVPTPELLGSVESVLHRLQTAFAQEALD
 LYRMLVSSSQLGPEQQQATELASTFWILNQLASNCMAAANLAPPQTLPSDPLSLPTLCPLASPNLQ
 ALLEHYSELLVQAVRRKARGD

TRTRPLE - GFP Tag - V

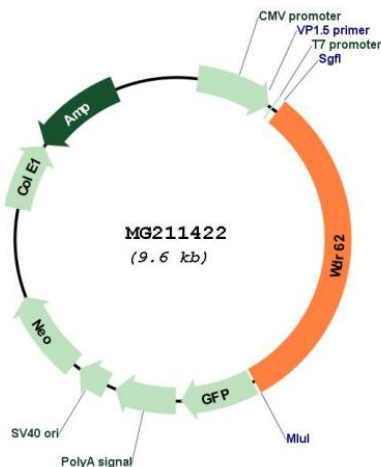
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: BC057041

ORF Size: 3005 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: [BC057041](#), [AAH57041](#)

RefSeq Size: 3265 bp

RefSeq ORF: 3005 bp

Locus ID: 233064

Cytogenetics: 7 B1