

Product datasheet for **RG230578**

WDR44 (NM_001184965) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	WDR44 (NM_001184965) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	WDR44
Synonyms:	RAB11BP; RPH11; SYM-4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG230578 representing NM_001184965
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGTCGGAAGCGACACCGAGGAATCTATGATGCCCTGAAGATGTGCACCTAGGGGGCGGCTACC
 CCGTGGGGTCTCCAGGAAAAGTTGGGCTTCAACATTCAGGAAACAGAGAACACTGCATACAAAGTTGG
 AAATGAGTCCCCTGTACAAGAATTGAAACAAGATGTGTCTAAAAAGATTATTGAAAGTATTATTGAGGAG
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 CTGCCAGTCTATTGTGGCTAGAACAGATCTGAGCAATATACCCGGACTGTTAGCCATAGATCAAGTACT
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 AGCAGCTTAATGTGCTTGAACCTGAAACAGAAGTATTGAACAAGGAAGCAGTGGAAAGTCAAAGGAGTGG
 TGATGTTTTAGAGCCTGTGTCCTCAGACTCCTTATCTACTAAAGATTTTGCCGCTGTGGAAGAAGTGCC
 CCTGCCAAACCCCAAGACACCTTACTCCAGAGCCTGATATAGTGGCTAGTACAAAGAAGCCTGTTCCAG
 CACGCCACCTCCTCAACTAATTTCCACCTCCTAGACCCACCTCCTTCTCGACCTGCTCCACCACC
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 ATGGGCTTTAAAAATGCTTTTGACTATTTCAACAATATGCGAATGAAATACAATACTGAAGGACGTGTG
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 AAGATGCTGAAGTTTGGATGCCACACCTTCTGGTATTATGAAGACAGATAACACAGAAGTTCTTCTCTC
 TGCTGACTTCACTGGAGCAATCAAAGTGTGTTAATAAAAAGAAAAATGTATCT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – **GTTTAA**

Protein Sequence: >RG230578 representing NM_001184965
 Red=Cloning site Green=Tags(s)

MASESDTEEFYDAPEDVHLGGGYVPGSPGKVLSTFKETENTAYKVGNESPVQELKQDVSKKIIIESIIIE
 SQKVLQLEDDSLDSKGGKELSDQATASPIVARTDL SNIPGLLAIDQVLPEESQKAESQNTFEETELELKKC
 FPSDETCEKPVDETTKL TQTSSTEQLNLETETEVLNKEAVEVKGGDVLPEVSSDSLSTKDFAAVEEVA
 PAKPPRHLLTEPDIVASTKKVPARPPPTNFPPRPPPPSRPAPPPRKRKSELEFETLKTDPIDVPKEN
 ITSDSLLTASMAESTVKDSQPSLDLASATSGDKIVTAQENGKAPDGQTVAGEVMGPQRPRSNSGRELTD
 EEILASVMIKNLDTGEEIPLSLAEEKLP TGINPLTLHIMRRTKEYVSNDAQAQSDDEEKLQSQPTD TDGGR
 LKQKTTQLKKFLGKSVKRAKHLAEEYGERAINKVSVRDEVFHTDQDDPSSSDDEGMPYTRPVKFKAAHG
 FKGPYDFDQIKVVQDLSGEHMGA VWTMKFSHCGRLLASAGQDNVVR IAWLKNAFDYFNNMRMKYNTTEGRV
 SPSPSQESLSSKSDTDGVCSTDEDPDDKNAPFRQRPFCYKYGHTADLLDL SWSKNYFLLSSSMDKTV
 RLWHISRRECLCCFHIDFVTAIAFHPRDDRYFLSGSLDGKLR LWNIPDKKVALWNEVDGQTKLIT AANF
 CQNGKYAVIGTYDGRCIFDYDEHLKYHTQIHVRSTRGRNKVGRKITGIEPLGENKILVTSNDSRIRLYD
 LRDL SLMKYKGYVNSSSQIKASFSGSEDKYVYIWSTYHDL SKFTSVRRDRNDFWEGIKAHNAVVTSAIF
 APNP SMLSLDVQSEKSEGNEKSEDAEVL DATPSGIMKTDNTEVLLSADFTGAIKVFNKRKNVS

TRTRPLE - GFP Tag - V

Restriction Sites:

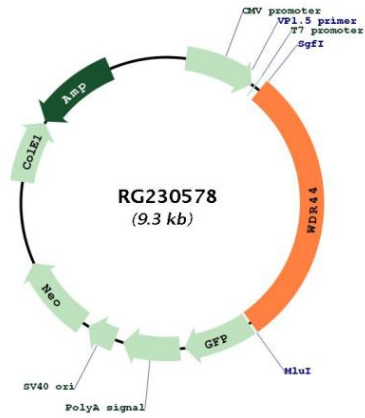
SgfI-MluI

Cloning Scheme:



ACCN:	NM_001184965
ORF Size:	2715 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:	<ol style="list-style-type: none">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_001184965.2
RefSeq Size:	4136 bp
RefSeq ORF:	2718 bp
Locus ID:	54521
UniProt ID:	Q5JSH3
Cytogenetics:	Xq24
Gene Summary:	This gene encodes a protein that interacts with the small GTPase rab11. A similar protein in rat binds the GTP-containing active form of rab11. This protein may play a role in endosome recycling. Alternate splicing results in multiple transcript variants.[provided by RefSeq, May 2010]

Product images:



Circular map for RG230578