

Product datasheet for **RG230520**

WDR44 (NM_001184966) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	WDR44 (NM_001184966) 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:**

>RG230520 representing NM_001184966
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGTCGGAAAGCGACACCGAGGAATTCATGATGCCCTGAAGATGTGCACCTAGGGGCGGCTACC
 CCGTGGGGTCTCCAGGAAAAGTTGGGCTTTCAACATTCAGATTATTGAAAGTATTATTGAGGAGAGTCA
 GAAAGTACTACAGCTTGAAGATGACTCTTTGGATTCCAAGGAAAAAGAACTCTCTGATCAAGCTACTGCC
 AGTCTATTGTGGCTAGAACAGATCTGAGCAATATACCGGACTGTTAGCCATAGATCAAGTACTACCGG
 AAGAATCCCAAGGAGAGAGTCAAGATACATTTGAAGAGACTGAATTAGAATAAAAAATGCTTTCC
 TTCTGATGAAACCTGTGAGAAACAGTAGATGAAACACGAAGTTAACTCAAACAAGTTCAACTGAGCAG
 CTTAATGTGCTTGAAGTGAACAGAGTATTGAACAAGGAAGCAGTGAAGTCAAAGGAGGTGGTATG
 TTTTAGAGCCTGTGCTCAGACTCCTTATCTACTAAAGATTTTGCCGCTGTGGAAGAAGTGCCCTGC
 CAAACCCCAAGACACCTTACTCCAGAGCCTGATATAGTGGCTAGTACAAAGAAGCCTGTCCAGCACGC
 CCACCTCTCCAATAATTTCCACCTCTAGACCCACCTCCTCTCGACCTGCTCCACCACCAAGAA
 AAAGGAAAAGCGAATTGGAATTTGAGACTCTGAAAACCTGATATAGATGTTCCCAAAGAGAATATTAC
 GTCTGATTCTCTCCTAACCGCAAGCATGGCTTCAGAAAGTACGGTTAAGGATTCTCAGCCTTCTCTTGAT
 TTGGCAAGTGCTACCAAGTGAGATAAAATAGTTACCGCCAGGAAAATGGAAGACACCTGATGGGAGAG
 CTGTAGCAGGTGAAGTATGATGTTAAGAACCTGGATACTGGAGAAGAAATACCTTTGAGTCTTGAGAGAG
 AACTACCAACAGGCATTAATCCTCTCACTCTACACATCATGAGAAGGACAAAAGAAATATGTAAGTAATG
 ACGCGGCACAGTCAGATGATGAAGAGAAGTTACAGTCTCAGCCAACAGATACTGATGGTGAAGGTTAA
 ACAGAAAACGACTCAACTAAAGAAAGTTTCTGGAAAATCAGTAAAGAGAGCAAAGCACCTTGCTGAGGAA
 TATGGTGAACGTGCTATAAATAAGTTAAAGTGTAGAGATGAAGTGTTCATACTGATCAAGATGATC
 CTTTCAAGTATGATGAAGGAATGCCATACACAAGACCAAGTAAATCAAAGCAGCACACGGTTTCAA
 AGGACCTTATGATTTTGATCAGATCAAAGTGGTGAAGATCTTAGTGGTGAACATATGGGAGCTGTTTGG
 ACCATGAAATTTTCTCACTGTGGCCGATTACTGCTCAGCTGGACAAGACAATGTAGTGAAGATATGGG
 CTTTAAAAAATGCTTTTGACTATTTCAACAATATGCGAATGAAATACAATACTGAAGGACGTGTGCCCC
 ATCACCTCTCAGGAAAGTCTAAGTTCATCAAAATCGGATACAGATACAGGGGTATGCAGTGGAAGTATG
 GAAGACCTGATGATAAAACGCACCTTTTCGGCAACGGCCATTTTGCAATATAAAGGACATACTGCTG
 ATCTCCTTGATCTTCATGGTCTAAAACTACTTTCTTCTTCTTCTTCAATGGATAAAACAGTCAGATT
 ATGGCACATTTCTCGAAGAGAATGCCTTTGCTGTTTTCAACATATAGATTTTGTCACTGCCATAGCTTTT
 CATCCAAGACATTTGAAATACCATACACAAATACATGTCCGATCTACTAGAGGGCGCAACAAGTTGGAA
 GAAAAATTACTGGCATTGAGCCTTTACCTGGAGAAAATAAGATATTGGTAACCTCAAATGACTCCAGAAT
 CAGACTATATGATTTGAGAGATTTGTCACTATCCATGAAGTATAAGGGTTACGTCAATAGCAGCAGCCAG
 ATCAAAGCAAGTTTCAGCCATGATTTTACTTACCTCGTTAGTGGTTCAGAAGATAAGTATGTTTATATCT
 GGAGTACCTACCATGACCTAAGCAAGTTTACTTCAGTCAGGAGAGATCGTAATGACTTCTGGGAAGGTAT
 TAAAGCCCAATGCAGTTGTTACATCAGCCATCTTGCACCAAAACCAAGTTTGATGTTATCTTTGGAT
 GTGCAATCTGAAAAATCAGAAAGGAACGAGAAAAGTGAAGATGCTGAAGTTTGGATGCCACACCTCTG
 GTATTATGAAGACAGATAACACAGAAGTTCTTCTCTGCTGACTTCACTGGAGCAATCAAAGTGTGTTGT
 TAATAAAGAAAAATGTATCT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG230520 representing NM_001184966
 Red=Cloning site Green=Tags(s)

MASESDTEEFYDAPEDVHLGGGYVPGSPGKVGSLTFKIIIESIIIESQKVLQLEDDSLDSKGKELSDQATA
 SPIVARTDLSNIPGLLAIDQVLPEESQKAESQNTFEETELELKKCFPSDETCEKPVDETTKLTQTSSTEQ
 LNVLETETEVLNKEAVEVKGGDVLEPVSSDSLSTKDFAAVEEVAPAKPPRHLTPEPDIVASTKKPVPAR
 PPPPTNFPPRPPPPSRPAPPPRKRKSELEFETLKTPDIDVPKENITSDSLLTASMASESTVKDSQPSLD
 LASATSGDKIVTAQENGKAPDGQTVAGEVMGPQRPRNSGRELTDEEILASVMIKNLDTGEEIPLSLAEE
 KLPTGINPLTLHIMRRTKEYVSNDAAQSDDEEKLQSQPTDGDGRLKQKTTQLKKFLGKSVKRAKHLAEE
 YGERAINKVKSVRDEVFHTDQDDPSSSDDEGMPYTRPVKFKAAGFKGPYDFDQIKVVQDLSGEHMGAVW
 TMKFSHCGRLASAGQDNVVRWALKNAFDYFNNMRMKYNTTEGRVSPSPSQESLSSSKSDTDGVCSTGTD
 EDPDDKNAPFRQRPFCYKGYHTADLLDLSWSKNYFLLSSMDKTVRLWHISRRECLCCFQHIDFVTAIAF
 HPRHLKYHTQIHVRSTRGRNKVGRKITGIEPLGENKILVTSNDSRIRLYDLRDLSLSMKYKGYVNSSSQ
 IKASFSDFTYLVSGSEDKYVYIWSYHDLSTKFTSVRRDRNDFWEGIKAHNAVVTSAIFAPNPSLMLSLD
 VQSEKSEGNEKSEDAEVLDPATPSGIMKTDNTEVLLSADFTGAIKVFVNKRKNVS

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN:	NM_001184966
ORF Size:	2472 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_001184966.1](#), [NP_001171895.1](#)

RefSeq Size: 3893 bp

RefSeq ORF: 2475 bp

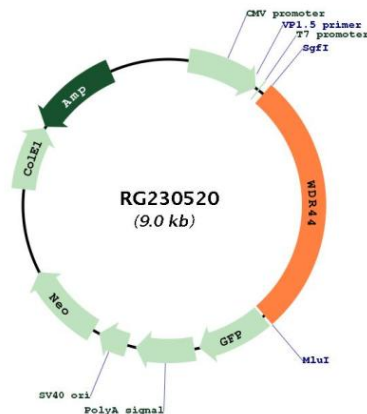
Locus ID: 54521

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 RG230520