

Product datasheet for **RC230520**

WDR44 (NM_001184966) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	WDR44 (NM_001184966) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	WDR44
Synonyms:	RAB11BP; RPH11; SYM-4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC230520 representing NM_001184966
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGTCGGAAGCGACACCGAGGAATTCATGATGCCCTGAAGATGTGCACCTAGGGGGCGGCTACC
 CCGTGGGGTCTCCAGGAAAAGTTGGGCTTCAACATCAAGATTATTGAAAGTATTATTGAGGAGAGTCA
 GAAAGTACTACAGCTTGAAGATGACTCTTTGGATTCCAAAAGGAAAAGAACTCTCTGATCAAGCTACTGCC
 AGTCTATTGTGGCTAGAACAGATCTGAGCAATATACCCGGACTGTTAGCCATAGATCAAGTACTACCGG
 AAGAATCCAAAAGGCAGAGAGTCAAGATACATTTGAAGAGACTGAATTAGAATAAAAAATGCTTTCC
 TTCTGATGAAACCTGTGAGAAACAGTAGATGAAACCACGAAGTAACTCAAACAAGTTCAACTGAGCAG
 CTTAATGTGCTTGAAACTGAAACAGAAGTATTGAACAAGGAAGCAGTGGAAAGTCAAAGGAGGTGGTATG
 TTTTAGAGCTGTGCTCAGACTCCTTATCTACTAAAGATTTTGCCGCTGTGGAAGAAGTGCCCTGTC
 CAAACCCCAAGACACCTTACTCCAGAGCTGATATAGTGCTAGTACAAGAAGCTGTCCAGCACGC
 CCACCTCTCCAATAATTTCCACCTCTAGACCCACCTCCTTCTCGACCTGCTCCACCACCAAGAA
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 GTCTGATTCTCTCCTAACCGCAAGCATGGCTTCAGAAAAGTACGGTTAAGGATTCTCAGCCTTCTCTGAT
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 AATTTTAGCCAGTGAATGATTAAGAACCTGGACTGGAGAAGAAAACCTTTGAGTCTTGCAAGAG
 AAATACCAACAGGCATTAATCCTCTACTCTACACATCATGAGAAGGACAAAAGAATATGTAAGTAAAG
 ACGCGGCACAGTCAGATGATGAAGAGAAGTTACAGTCTCAGCCAACAGACTGATGGTGAAGGTTAAA
 ACAGAAAACGACTCAACTAAAGAAGTTTCTGGAAAATCAGTAAAGAGAGCAAAGCACCTTGCTGAGGAA
 TATGGTGAACGTGCTATAAATAAAGTTAAAAGTGTAGAGATGAAGTGTTCATACTGATCAAGATGATC
 CTTTCAAGTATGATGAAGGAATGCCATACACAAGACCAGTTAAATCAAAGCAGCACACGGTTTCAA
 AGGACCTTATGATTTTATGATCAGATCAAAGTGGTCAAGATCTTAGTGGTGAACATATGGGAGCTGTTGG
 ACCATGAAATTTTCTACTGTGGCCGATTACTGCCTCAGCTGGACAAGACAATGTAGTGAATATGGG
 CTTTAAAAAATGCTTTTACTATTTCAACAATATGCGAATGAAATACAATACTGAAGGACGTGTGCCCC
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 GAAGACCTGATGATAAAAACGCACCCTTTCGGCAACGGCCATTTTGCAATATAAAGGACATACTGCTG
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 GAAAAATACTGGCATTGAGCCTTTACCTGGAGAAAATAAGATATTGGTAACCTCAAATGACTCCAGAAT
 CAGACTATATGATTTGAGAGATTTGCTACTATCCATGAAGTATAAGGGTTACGTCAATAGCAGCAGCCAG
 ATCAAAGCAAGTTTCAGCCATGATTTTACTTACCTCGTTAGTGGTTCAGAAGATAAGTATGTTTATATCT
 GGAGTACCTACCATGACCTAAGCAAGTTTACTTCAGTCAAGGAGATCGTAAAGTCTGGAAGGAT
 TAAAGCCACAATGCAGTTGTTACATCAGCCATCTTGCACCAAAACCAAGTTTGGATGTTATCTTTGGAT
 GTGCAATCTGAAAAATCAGAAGGGAACGAGAAAAGTGAAGATGCTGAAGTTTGGATGCCACCTTCTG
 GTATTATGAAGACAGATAACACAGAAGTCTTCTCTGCTGACTTCACTGGAGCAATCAAAGTGTGTTG
 TAATAAAGAAAAAATGTATCT

ACGCGTACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC230520 representing NM_001184966
 Red=Cloning site Green=Tags(s)

MASESDTEEFYDAPEDVHLGGGYPVGGSPGKVGGLSTFKIIIESIIIESQKVLQLEDDSLDSKGKELSDQATA
 SPIVARTDLSNIPGLLAIDQVLPEESQKAESQNTFEETELELKKCFPSDETCEKPVDETTKLTQTSSTEQ
 LNVLETETEVLNKEAVEVKGGGDVLEPVSSDSLTKDFAAVEEVAPAKPPRHLTPEPDIVASTKKPVPAR
 PPPPTNFPPRPPPPSRPAPPPRKRKSELEFETLKTDPIDVPKENITSDSLLTASMASESTVKDSQPSLD
 LASATSGDKIVTAQENGKAPDGQTVAGEVMGPQRPRSNSGRELTDEEILASVMIKNLDTGEEIPLSLAEE
 KLPTGINPLTLHIMRRTKEYVSNDAAQSDDEEKLSQSPDTDGGRLKQKTTQLKKFLGKSVKRAKHLAEE
 YGERAINKVKSVRDEVFHTDQDDPSSSDDEGMPYTRPVKFAAHGFKGPYDFDQIKVVQDLSGEHMGAVW
 TMKFSHCGRLLASAGQDNVRIWALKNAFDYFNNMRMKYNTTEGRVSPSPSQESLSSSKSDTDGVCSTGTD
 EDPDDKNAPFRQRPFCYKYGHTADLLDLWSKNYFLLSSSMDKTVRLWHISRRECLCCFQHIDFVTAIAF
 HPRHLKYHTQIHVRSTRGRNKVGRKITGIEPLGENKILVTSNDSRIRLYDLRDLSLSMKYKGYVNSSSQ
 IKASFSDFTYLVSGSEDKYVYIWSTYHDL SKFTSVRRDRNDFWEGIKAHNAVVTSAIFAPNPSLMLSLD
 VQSEKSEGNEKSEDAEVL DATPSGIMKTDNTEVLLSADFTGAIKVFNKRKNVS

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-Mlul

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 ORF: 2475 bp

Locus ID: 54521

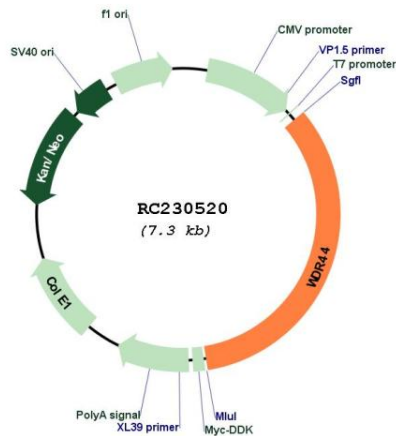
UniProt ID: [Q5JSH3](#)

Cytogenetics: Xq24

MW: 91.7 kDa

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 RC230520