

Product datasheet for **RG234341**

WDR20 (NM_001242416) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	WDR20 (NM_001242416) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	WDR20
Synonyms:	Bun107; DMR
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG234341 representing NM_001242416
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGGCGACGGAGGGAGGAGGAAGGAGATGAACGAGATTAAGACCAATTCACCACCCGGGAAGGTCTGT
 ACAAGCTGCTGCCGCACTCGGAGTACAGCCGGCCCAACCGGGTGCCTTCAACTCGCAGGGATCCAACCC
 TGTCGCCGTCTCCTTCGTAACCTCAACGACCACTCTGGCAACGCGACCGCCTCTGCTTCAATGTGGGC
 CGGGAGCTGTACTTCTATATCTACAAGGGGTCCGCAAGAGACTAATAGACAAGTACGAGTTACCTGTG
 TCAATGGGTTCGGTTCGAAAGCCTTTTCTAGTAGCCCACTCGAGTGGGAACATGTACTTATATAA
 TGTGGAGCACACTTGTGGCACCACAGCCCCCACTACCAGCTTCTGAAGCAGGGAGAGAGCTTGGCGTG
 CACACTTGCAAGACAAATCCACGAGGAACCTCTCCTTAAGTGGACGGTGGCGAGGGGGCCCTCAACG
 AGTTTGCTTTCTCCCAGATGGCAAGTTCTTAGCGTGGTGGAGGACGGGTTTCTGCGGGTGTCAA
 CTTTGACTCAGTGGAGCTGCACGGTACGATGAAAAGCTACTTTGGGGGCTTGCTGTGTGTGTGCTGGAGC
 CCGGATGGCAAGTACATCGTGACAGGTGGGGAGGACGACTTGGTGACAGTCTGGTCTTTGTAGACTGCC
 GAGTAATAGCCAGAGGCCACGGGCACAAGTCTGGGTGAGTGTGTAGCGTTTGACCTTATACCACTAG
 TGTAAGAAGGTGACCTATGGAGTTTGTGGCAGCGATGAGGACTTCCAAGACCTTCTTCATTTTGGC
 AGAGATCGAGCAAATAGTACACAGTCCAGGCTCTCCAACGGAACCTACAGACAGCCGCCCCGTAAGTG
 TCACGTATCGGTTTGGTTCGGTGGGCCAGGACACACAGCTCTGTTATGGGACCTTACAGAAGATATCCT
 TTTCCCTACCAACCCCTCTCAAGAGCAAGGACACACAAATGTCATGAATGCCACGAGTCTCCTGCT
 GGAAGCAATGGGAACAGTGTTACAACACCCGGGAACCTCTGTGCCGCTCCTCTGCCACGGTCCAACAGCC
 TTCCACATTGACAGTCTCAAATGCTGGCAGCAAAAGCAGTGTGATGGACGGGGCCATTGCTTCTGGGGT
 CAGCAAAATTTGCAACACTTTCACTACATGACCGGAAGGAGAGGCCACACGAGAAAGATCACAAGCGAAAT
 CATAGCATGGGACACATTCTAGCAAGAGCAGTGACAACTGAATCTAGTTACAAAACCAAAACCGACC
 CTGCTAAAACCTCTGGGAACGCCCTGTGTCTCGAATGGAAGATGTTCCCTTGTAGAGCCGCTGATATG
 TAAAAAGATAGCACATGAGAGACTGACTGTACTAATATTTCTTGAAGACTGTATAGTCACTGCTTGTGAG
 GAGGGATTTATTTGCACATGGGAAGGCCTGGTAAAGTGGGCTCATTGTCATCCCCAAGCCAGGCCAGTT
 CTCCAGGTGGAAGTGTAGTG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG234341 representing NM_001242416
 Red=Cloning site Green=Tags(s)

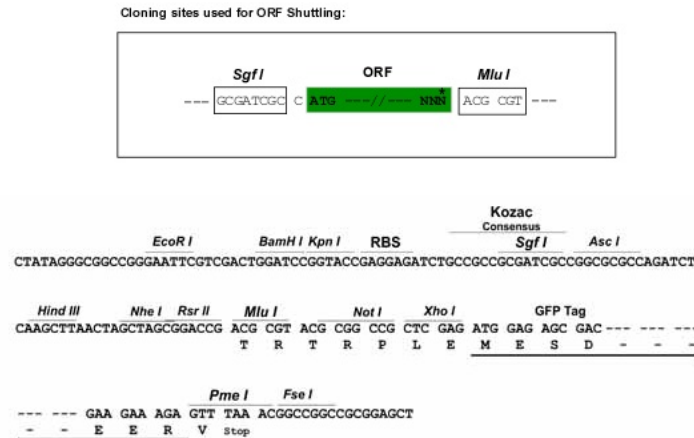
MATEGGKEMNEIKTQFTTREGLYKLLPHSEYSRPNRVPFNSQGSNPVRVSFVNLNDQSGNGDRLCFNVG
 RELYFYIYKGVKRLIDKSRVTCVWVPGSESLFLVAHSSGNMYLYNVEHTCGTTAPHYQLLKQGESFAV
 HTCKSKSTRNPLLKWTVEGALNEFAFSPDGKFLACVSQDGLRVFNFDSEVHGTMSYFGLLCVCWS
 PDGKYIVTGGEDDLVTWVSFVDCRVIARGHGHKSWVSVAFDPTYTTSVEEGDPMEFSGSDEDFQDLLHFG
 RDRANSTQSRLSKRNSTDSPVSVTYRFGSVGQDTQLCLWDLTEDILFPHQPLSRARTHNVNMATSPPA
 GSNGNSVTTPGNSVPPPLPRNSLPHSAVSNAGSKSSVMDGAIASGVSKFATLSLHDKRERHHEKDHKRN
 HSMGHISSKSDKLNLVTKTKTDPAKTLGTPLCPRMEDVPLLEPLICKIAHERLTVLIFLEDICIVTACQ
 EGFICTWGRPGKVGSLSSPSQASSPGGTVV

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_001242416

ORF Size: 1560 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_001242416.2](#)

RefSeq Size: 2437 bp

RefSeq ORF: 1563 bp

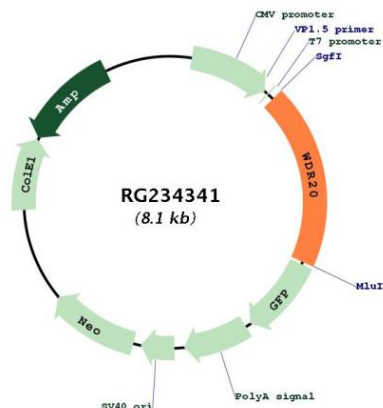
Locus ID: 91833

UniProt ID: [Q8TBZ3](#)

Cytogenetics: 14q32.31

Gene Summary:

This gene encodes a WD repeat-containing protein that functions to preserve and regulate the activity of the USP12-UAF1 deubiquitinating enzyme complex. Multiple alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Jun 2011]

Product images:


Circular map for RG234341