

Product datasheet for **RG234525**

WDR20 (NM_001242417) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	WDR20 (NM_001242417) 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:

>RG234525 representing NM_001242417
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGGCGACGGAGGAGGAGGGAAGGAGATGAACGAGATTAAGACCAATTACCACCCGGGAAGGTCTGT
 ACAAGCTGCTGCCGCACTCGGAGTACAGCCGGCCAACCGGGTGCCCTTCAACTCGCAGGGATCCAACCC
 TGTCGCCGTCTCCTTCGTAACCTCAACGACCAGTCTGGCAACGCGCACCCTCTGCTTCAATGTGGGC
 CGGGAGCTGTACTTCTATATCTACAAGGGGTCCGCAAGGCTGCTGACTTGAGTAAACCAATAGATAAAA
 GGATATACAAAGGAACACAGCCTACTTGTGATGACTTCAACCACCTAACAGCCACAGCAGAAAGTGTCTC
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 ATGGGTTCCCGGTTCCGAAAGCCTTTTCTAGTAGCCACTCGAGTGGGAACATGACTTATATAATGTG
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 GCAATGGGAACAGTGTTACAACACCCGGGAACCTGTGCGCCTCTCTGCCACGGTCCAACAGCCTTCC
 ACATTCAGCAGTCTCAAATGCTGGCAGCAAAAGCAGTGTGATGGACGGGGCCATTGCTTCTGGGTGAGC
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 GCATGGGACACATTTCTAGCAAGAGCAGTGACAACTGAATCTAGTTACCAAAACCAAAACGACCTGCTC
 TAAACTCTGGGAACGCCCTGTGCTCGAATGGAAGATGTTCCCTTGTAGAGCCGCTGATATGTAAA
 AAGATAGCACATGAGAGACTGACTGTACTAATATTTCTTGAAGACTGTATAGTCACTGCTTGTGAGGAG
 GATTTATTTGCACATGGGAAGGCTGGTAAAGTGGTAAGTTTAAATCCT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG234525 representing NM_001242417
 Red=Cloning site Green=Tags(s)

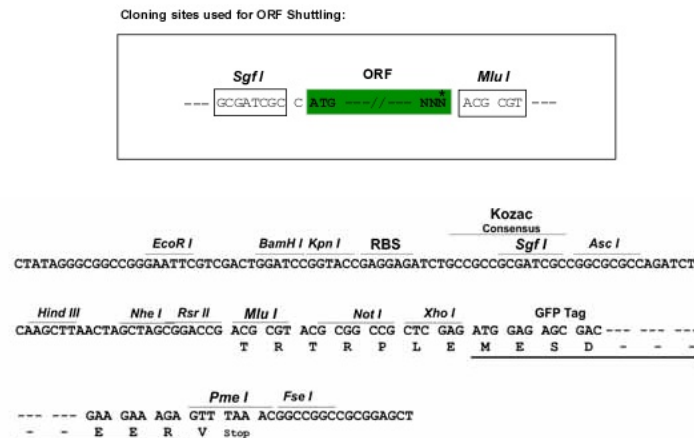
MATEGGKEMNEIKTQFTTREGLYKLLPHSEYSRPNRVFNSQGSNPVRVSFVNLDQSGNGDRLCFNVG
 RELYFYIYKGVKKAADLSKPIDKRIYKGTQPTCHDFNHLTATAESVSLLVGFSAGQVQLIDPIKKETSKL
 FNEENSCQHLWKVDWNEERQNEGSKTSEEALVTVQRLIDKSRVTCVKWVPGSESLFLVAHSSGNMYLYNV
 EHTCGTTAPHYQLLKQGESFAVHTCKSKSTRNPLLKWTGEGALNEFAFSPDGKFLACVSQDGLRVFNF
 DSVELHGTMSYFGLLCVCWSPDGKYIVTGGEDDLVTVWSFVDCRVIARGHGHKSWSVVAFDPYTTSV
 EEGDPMEFSGSDEDFQDLLHFGDRANSTQSRLSKRNSTDSPVSVTYRFGSVGQDTQLCLWDLTEDILF
 PHQPLSRARTHNTVMNATSPAGSNGNSVTTPGNSVPPPLPRNSLPHSAVSNAGSKSSVMDGAIASGVS
 KFATLSLHDKRERHHEKDKRNSHMGHISKSDDKLNLVTKTKTDPAKTLGTPLCPRMEDVPLLEPLICK
 KIAHERLTVLIFLEDICVTACQEGFICTWGRPGKVVSFNP

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001242417

ORF Size: 1800 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_001242417.2](#)

RefSeq Size: 2539 bp

RefSeq ORF: 1803 bp

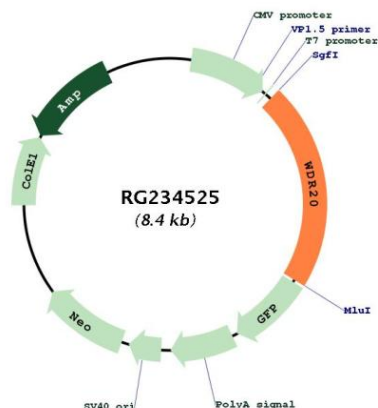
Locus ID: 91833

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 RG234525