

Product datasheet for **RG204300**

WDR21A (DCAF4) (NM_015604) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	WDR21A (DCAF4) (NM_015604) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	WDR21A
Synonyms:	WDR21; WDR21A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG204300 representing NM_015604
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAATAAAAGTCGCTGGCAGAGTAGAAGACGACATGGGAGAAGAAGCCACCAGCAGAACCCTTGGTTCA
 GACTCCGTGATTCTGAAGACAGGTCTGACTCCCGGCAGCACAGCCCCTCACGATTCGGCCACGGTGA
 TGACGAGTCTCCGTCAACCTCGTCTGGCACAGCTGGGACCTCCTCTGTGCCAGAGCTACCTGGGTTTTAC
 TTTGACCTGAAAAGAAACGCTACTTCCGCTTGCTCCCTGGACATAACAACCTGCAACCCCTGACGAAAG
 AGAGCATCCGGCAGAAGGAGATGGAGAGCAAGAGACTGCGGTGCTCCAGGAAGAAGACAGACGGAAAA
 GATTGCCAGGATGGATTTAATGCATCTCCATGCTACGAAAAAGCCAGCTGGGTTTTCTCAACGTCACC
 AATTACTGCCATTTAGCCCACGAGCTGCGTCTCAGCTGCATGGAGAGGAAAAAGTCCAGATTCGAAGCA
 TGGATCCCTCCGCTTGGCAAGCGACCGATTTAACCTCATACTGGCAGATACCAACAGTGACCGGCTCTT
 CACAGTGAACGATGTTACAGTTGGAGGCTCCAAGTATGGTATCATCAACCTGCAAAGTCTGAAGACCCCT
 ACGCTCAAGGTGTTTCATGCACGAAAACCTACTTACCACCGGAAGGTGAATTCGGTGTGCTGGGCT
 CGCTGAATCACTTGGATTCCACATTCTGCTATGCCTCATGGACTCGCAGAGACTCCAGGCTGTGCCAC
 CCTGCTCCAGCATCACTGTTTCGTCATAGTACCCAGGAATAGACCGGCTGGCATGCTCTGCAGTTTC
 CGGATCCCTGGTGCCTGGTCTGTGCCTGGTCCCTGAATATCCAAGCAAATAACTGCTTCAGTACAGGCT
 TGTCTCGCGGGTCTGTTGACCAACGTGGTGACGGGACACCGGACGCTTTGGACCAACAGTGTGAT
 CTTGGCCAGCAGTTTGCCTTCAAGGCAAGGATGGAAGGCCACCGGCTGTTTCATGATTACAGCAGTGA
 CCTCTGTGCGGATCCTCCAAGATGAGCAATACCTGATGGCTTTCAGACATGGCTGGAAGATCAAGCTGTG
 GGACTGAGGACCACGAAGTGCCTAAGGACAGTACGAAAGCCACGTAATGAGTACGCTACCTGCCCTG
 CATGTGCACGAGGAAGAAGGAATCCTGGTGGCAGTGGGCCAGGACTGCTACACGATAATCTGGAGCCTCC
 ACGATGCCCGCTACTGAGAACCATACCCTCCCGTACCCTGCCTCCAAGGCCGACATTCAGTGTGGC
 CTTCTCGTCGCGGCTGGGGGGCTCCCGGGCGCGGGGGCTGCTCATGGCTGTCGGGCAGGACCTTTAC
 TGTACTCTACAGC

ACGCGTACGCGGCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG204300 representing NM_015604
 Red=Cloning site Green=Tags(s)

MNKSRRWQSRRRHGRRSHQNPWFRLRDSERDSRAAQP AHDSGHGDDESPSTSSGTAGTSSVPELPGFY
 FDPEKKRYFRLLP GHNNCNPLTKE SIRQKEMESKRLRLLEEDRRKKIARMGFNASMLRKSQ LGLNVT
 NYCHLAHELRLSCMERKKVQIRSM DPSALASDRFNLI LADTNSDRLFTVNDVTVGGSKYGIINLQSLKTP
 TLKVMHENLYFTNRKVNSVCWASLNHLDSHILLCLMGLAETPGCATLLPASLFVNSHPGIDRPGMLCSF
 RIPGAWSCAWSLNIQANNCFTGLSRRVLLTNVVTGHRQSFGTNSDVLAQQFAFMAPLLFNGCRSGEIFA
 IDLRCGNQKGWKATRLFHDSAVTSVRILQDEQYLMASDMAGKIKLWDLRRTTKCVRQYEGHVNEYAYLPL
 HVHEEEGILVAVGQDCYTI IWSLHDARLLRTIPSPYPASKADIPSVAFSSRLGGSRGAPGLLMAVGQDLY
 CYSYS

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_015604

ORF Size: 1485 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_015604.1](#)

RefSeq Size: 2563 bp

RefSeq ORF: 1488 bp

Locus ID: 26094

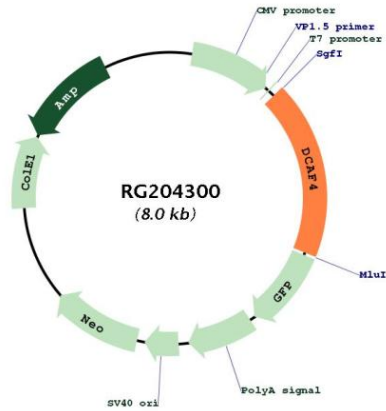
UniProt ID: [Q8WW16](#)

Cytogenetics: 14q24.2

Domains: WD40

Gene Summary: This gene encodes a WD repeat-containing protein that interacts with the Cul4-Ddb1 E3 ligase macromolecular complex. Multiple alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Jul 2009]

Product images:



Circular map for RG204300