

## Product datasheet for **RG207851**

### WDR21A (DCAF4) (NM\_181340) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	WDR21A (DCAF4) (NM_181340) 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)
ORF Nucleotide Sequence:	>RG207851 representing NM_181340 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAGAGCAAGAGACTGCGGCTGCTCCAGGAAGAAGACAGACGGAAAAAGATTGCCAGGATGGGATTTA  
ATGCATCTTCCATGCTACGAAAAAGCCAGCTGGGTTTTCTCAACGTCACCAATTACTGCCATTTAGCCCA  
CGAGCTGCGTCTCAGCTGCATGGAGAGGAAAAAGTCCAGATTCGAAGCATGGATCCCTCCGCCTTGCCA  
AGCGACCGATTTAACCTCATACTGGCAGATACCAACAGTGACCGGCTCTCACAGTGAACGATGTTAAAG  
TTGGAGGCTCCAAGTATGGTATCATCAACCTGCAAAGTCTGAAGACCCCTACGCTCAAGGTGTTTCATGCA  
CGAAAACCTCTACTTCACCAACCGGAAGGTGAATTCGGTGTGCTGGGCTCGCTGAATCACTTGGATTCC  
CACATTCTGCTATGCCTCATGGGACTCGCAGAGACTCCAGGCTGTGCCACCCTGCTCCCAGCATCACTGT  
TCGTCAATAGTACCCAGGAATAGACCGGCTGGCATGCTCTGCAGTTTCCGGATCCCTGGTGCCTGGTC  
CTGTGCCTGGTCCCTGAATATCCAAGCAAATAACTGCTTCAGTACAGGCTGTCTCGGCGGGTCTGTTG  
ACCAACGTGGTGACGGGACACCGGCAGTCTTTGGGACCAACAGTGATGTCTGGCCAGCAGTTTGCTC  
TCATGGCTCCTCTGCTGTTAATGGCTGCCGCTCTGGGAAATCTTGGCATTGATCTGCGTTGTGGAAA  
TCAAGGCAAGGGATGGAAGGCCACCCGCTGTTTCATGATTGAGCAGTACCTCTGTGCGGATCCCTCAA  
GATGAGCAATACCTGATGGCTTCAGACATGGCTGGAAAGATCAAGCTGTGGGACCTGAGGACACGAAGT  
GGTAAGGCAGTACGAAGGCCAGTGAATGAGTACGCTACCTGCCCCTGCATGTGCACGAGGAAGAAGG  
AATCCTGGTGGCAGTGGGCCAGGACTGCTACACGAGAATCTGGAGCCTCCACGATGCCCGCTACTGAGA  
ACCATACCTCCCGTACCCTGCCTCCAAGGCCGACATCCAGTGTGGCCTTCTCGTCGCGGCTGGGGG  
GCTCCCGGGCGCCAGGGCTGCTCATGGCTGTGGGCAGGACCTTTACTGTTACTCCTACAGC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

**Protein Sequence:** >RG207851 representing NM\_181340  
 Red=Cloning site Green=Tags(s)

MESKRLRLLEEDRRKKIARMGFNASSMLRKSQGLFNVTNYCHLAHELRLSCMERKKVQIRSM DPSALA  
 SDRFNLILADTNSDRFLT VNDVKVGGSKYGIINLQSLKTPTLKVFMHENLYFTNRKVNSVCWASLNHLDS  
 HILLCLMGLAETPGCATLLPASLFVNSHPGIDRPGMLCSFRIPGAWSCAWSLNIQANNCSTGLSRRVLL  
 TNVVTGHRQSFGTNSDVL AQQFALMAPLLFNGCRSGEIFAIDLRCGNQGGKWKATRLFHDSAVTSVRILQ  
 DEQYLMASDMAGIKLWDLRTTKCVRQYEGHVNEYAYLPLHVHEEEGILVAVGQDCYTRIWSLHDARLLR  
 TIPSPYPASKADIPSVAFSSRLGGSRGAPGLLMAVGQDLYCYSYS

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_181340

**ORF Size:** 1185 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\\_181340.1](#), [NP\\_851937.1](#)

**RefSeq Size:** 2461 bp

**RefSeq ORF:** 1188 bp

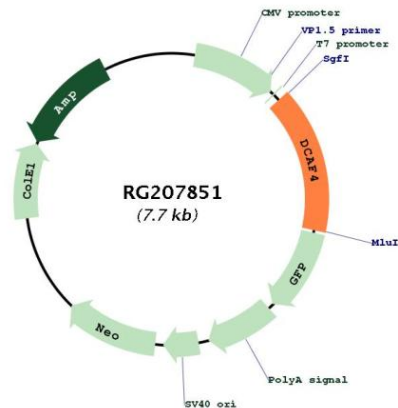
**Locus ID:** 26094

**UniProt ID:** [Q8WV16](#)

**Cytogenetics:** 14q24.2

**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 RG207851