

## Product datasheet for **RG228403**

### **WDR21A (DCAF4) (NM\_001163508) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	WDR21A (DCAF4) (NM_001163508) 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:**

>RG228403 representing NM\_001163508  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGAATAAAAGTCGCTGGCAGAGTAGAAGACGACATGGGAGAAGAAGCCACCAGCAGAACCCTTGGTTCA  
 GACTCCGTGATTCTGAAGACAGGTCTGACTCCCGGGCAGCACAGCCCCTCACGATTCGGCCACGGTGA  
 TGACGAGTCTCCGTCAACCTCGTCTGGCACAGCTGGGACCTCCTCTGTGCCAGAGCTACCTGGGTTTTAC  
 TTTGACCTGAAAAGAAACGCTACTTCCGCTTGCTCCCTGGACATAACAACCTGCAACCCCTGACGAAAAG  
 AGAGCATCCGGCAGAAGGAGATGGAGAGCAAGAGACTGCGGTGCTCCAGGAAGAAGACAGACGGAAAAA  
 GATTGCCAGGATGGGATTTAATGCATCTCCATGCTACGAAAAAGCCAGCTGGGTTTTCTCAACGTACC  
 AATTACTGCCATTTAGCCACGAGCTGCGTCTCAGCTGCATGGAGAGGAAAAAGTCCAGATTCGAAGCA  
 TGGATCCCTCCGCTTGGCAAGCGACCGATTTAACCTCATACTGGCAGATACCAACAGTGACCGGCTCTT  
 CACAGTGAACGATGTTAAAGTTGGAGGCTCCAAGTATGGTATCATCAACCTGCAAAGTCTGAAGACCCCT  
 ACGCTCAAGGTGTTTCATGCACGAAAACCTACTTCCACCAACCGAAGGTGAATTCGGTGTGCTGGGCT  
 CGCTGAATCACTTGGATTCCACATTCTGCTATGCCTCATGGGACTCGCAGAGACTCCAGGCTGTGCCAC  
 CCTGCTCCAGCATCACTGTTTCGTCATAGTACCCAGCAGGAATAGACCGGCTGGCATGCTCTGCAGT  
 TTCCGGATCCCTGGTGCCTGGTCTGTGCCTGGTCCCTGAATAATCAAGCAAATAACTGTTTCAGTACAG  
 GCTTGTCTCGGCGGGTCTGTTGACCAACGTGGTACGGGACACCGGCAGTCTTTGGGACCAACAGTGA  
 TGTCTTGGCTCCTCTGCTGTTTAAATGGCTGCCGCTCTGGGAAATCTTTGCCATTGATCTGCGTTGTGA  
 AATCAAGCAAGGGATGGAAGGCCACCCGCTGTTTCATGATTACAGCAGTGACCTCTGTGCGGATCCTCC  
 AAGTAGCAATACCTGATGGCTTCAGACATGGCTGGAAGATCAAGCTGTGGACCTGAGGACCAACGAA  
 GTGCGTAAGGCAGTACGAAGGCCACGTGAATGAGTACGCTACCTGCCCTGCATGTGCAGGAGGAAGAA  
 GGAATCCTGTTGGCAGTGGGCCAGGACTGCTACACGAGAATCTGGAGCCTCCACGATGCCCGCTACTGA  
 GAACCATACCCTCCCGTACCCTGCCTCCAAGGCCGACATTCACAGTGTGGCCTTCTCGTCGCGGCTGGG  
 GGGCTCCCGGGCGCGCCGGGCTGCTCATGGCTGTGGGCAGGACCTTTACTGTTACTCTACAGC

**ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA**

**Protein Sequence:**

>RG228403 representing NM\_001163508  
 Red=Cloning site Green=Tags(s)

MNKSrwQsRRRHgRRSHQqNpWfRLrDSEdRSdSRAaQpAhDSGHGDDESPSTSSGTAGTSSVPELPGFY  
 FDPEKKRYFRLLPghnncnplTKESIRQKEMESKRLRLlQEEDRRKKIARMGFNASSMLRKSQlGFLNVT  
 NYCHLAHELRLScMERKKVQIRSMdPSALASDRfNLILADtNSDRLFTVNDVKVGGsKYGIINLQSLKTP  
 TLKVFmHENLYfTNRKvNSVcWASLnhLDShILLCLMGLAETPGCATLLPAsLFVNSHPAGIDRPGMLCS  
 FRIPGAWSCAWSLNIqANncFStGLsRRVLLTnVVTGHRQsFGTNSDVLAPLLfNGCRSGEIfAIDLRCG  
 NQKGWkATrLfhDSAVTSvRILQDEqYlMASDMAGKIKLWDLRTTKCVRQYEGHVNEYAYLPLHVHEEE  
 GILVAVGQDCYTRIwSLHdARLLRTIPSPYPASKADIPSVAFSSRLGGSRGAPGLLMAVGQDLYCYSYS

**TRTRPLE - GFP Tag - V**

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_001163508

**ORF Size:** 1467 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\\_001163508.2](#)

**RefSeq Size:** 2550 bp

**RefSeq ORF:** 1470 bp

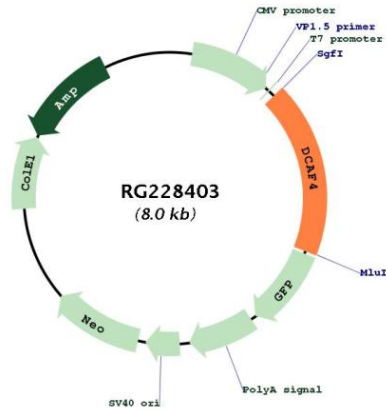
**Locus ID:** 26094

**UniProt ID:** [Q8WW16](#)

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 RG228403