

Product datasheet for **RG228392**

WDR21A (DCAF4) (NM_001163509) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
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: >RG228392 representing NM_001163509
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGGAGAAGAAGCCACCAGCAGAACCCCTTGGTTCAGACTCCGTGATTCTGAAGACAGGTCTGACTCCCC
 GGCAGCACAGCCCCTCACGATTCCGGCCACGGTGATGACGAGTCTCCGTCAACCTCGTCTGGCACAGCT
 GGGACCTCCTCTGTGCCAGAAACGCTACTTCCGCTTGTCCCTGGACATAACAACCTGCAACCCCCTGACG
 AAAGAGAGCATCCGGCAGAAGGAGATGGAGAGCAAGAGACTGCGGCTGCTCCAGGAAGAAGACAGACGGA
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 ACCCAATTACTGCCATTTAGCCACAGAGCTGCGTCTCAGCTGCATGGAGAGGAAAAAGGTCCAGATTTCGA
 AGCATGGATCCCTCCGCTTGGCAAGCGACCGATTTAACCTCATACTGGCAGATACCAACAGTGACCGGC
 TCTTCACAGTGAACGATGTTAAAGTTGGAGGCTCCAAGTATGGTATCATCAACCTGCAAAGTCTGAAGAC
 CCCTACGCTCAAGGTGTTTCATGCACGAAACCTCTACTTCACCAACCGGAAGGTGAATTCGGTGTGCTGG
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 ACAGGCTTGTCTCGGCGGGTCTGTGACCAACGTGGTGACGGGACACCGGCAGTCCCTTTGGGACCAACA
 GTGATGTCTTGGCCAGCAGTTTGTCTCATGGCTCCTCTGCTGTTTAAATGGCTGCCGCTCTGGGGAAAT
 CTTTGCATTGATCTGCGTTGTGGAATCAAGGCAAGGGATGGAAGGCCACCCGCTGTTTCATGATTCA
 GCAGTGACCTCTGTGGGATCCTCAAGATGAGCAATACCTGATGGCTTCAACATGGCTGGAAAGATCA
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 GCCCCTGCATGTGCACGAGGAAGAAGGAATCCTGGTGGCAGTGGGCCAGGACTGCTACACGAGAATCTGG
 AGCCTCCACGATGCCCGCTACTGAGAACCATACCTCCCCGTACCTGCCTCCAAGGCCGACATTTCCA
 GTGTGGCCTTCTCGTCGCGGCTGGGGGGTCCCGGGGCGCGCGGGGCTGCTCATGGCTGTGCGGCAGGA
 CCTTTACTGTTACTCTACAGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

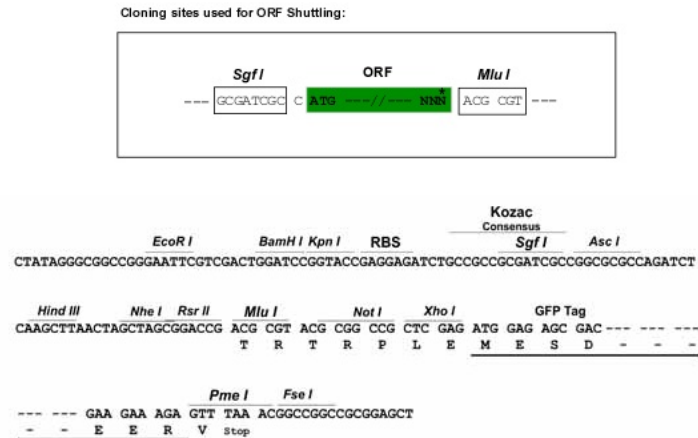
Protein Sequence: >RG228392 representing NM_001163509
 Red=Cloning site Green=Tags(s)

MGEETSRITLGSQSVILKTGLTPGQHSPLTIPATVMTSLRQPRLAQLGPPLCQKRYFRLLPGHNNCNPLT
 KESIRQKEMESKRLRLQEDRRKKIARMGFNASSMLRKSQGLFNVNTNYCHLAHELRLSCMERKKVQIR
 SMDPSALASDRFNLILADTNSDRLFTVNDVKVGGSKYGIINLQSLKTPTLKVFHMENLYFTNRKVNVCW
 ASLNHLDSHILLCLMGLAETPGCATLLPASLFVNSHPAGIDRPGMLCSFRIPGAWSCAWSLNIQANNCFS
 TGLSRRVLLTNVVTGHRQSFGTNSDVLAQQFALMAPLLFNGCRSGEIFAIDLRCGNQKGWKATRLFHDS
 AVTSVRILQDEQYLMASDMAGIKLWDLRTTKCVRQYEGHVNEYAYLPLHVHEEEGILVAVGQDCYTRI
 WSLHDARLLRTIPSPYPASKADIPSAFSSRLGSGRGAPGLLMAVGQDLYCYSYS

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001163509

ORF Size: 1422 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:

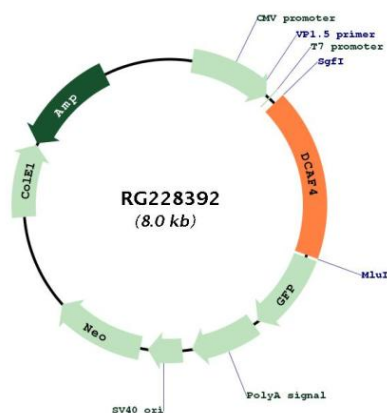
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001163509.2](#)

RefSeq Size:	2539 bp
RefSeq ORF:	1425 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 RG228392