

Product datasheet for **RG229222**

WDR21A (DCAF4) (NM_181341) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	WDR21A (DCAF4) (NM_181341) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	DCAF4
Synonyms:	WDR21; WDR21A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG229222 representing NM_181341 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAATAAAAGTCGCTGGCAGAGTAGAAGACGACATGGGAGAAGAAGCCACCAGCAGAACCCTTGGTTCA
GACTCCGTGATTCTGAAGACAGGTCTGACTCCCGGCAGCACAGCCCGCTCACGATTCGGCCACCGTGA
TGACGAGTCTCCGTCAACCTCGTCTGGCACAGCTGGGACCTCCTGTGCCAGAGCTACCTGGGTTTTAC
TTTGACCTGAAAAGAACGCTACTTCCGCTTGCTCCCTGGACATAACAACCTGCAACCCCTGACGAAAG
AGAGCATCCGGCAGAAGGAGATGGAGAGCAAGAGACTGCGGCTGCTCCAGGAAGAAGACAGACGGAAAA
GGCAGATACCAACAGTGACCGGCTCTTCACAGTGAACGATGTTAAAGTTGGAGGCTCCAAGTATGGTATC
ATCAACCTGCAAAGTCTGAAGACCCCTACGCTCAAGGTGTTTCATGCACGAAAACCTCTACTTCAACCAAC
GGAAGGTGAATTCGGTGTGCTGGGCTCGCTGAATCACTTGGATTCCACATTCTGCTATGCCTCATGGG
ACTCGCAGAGACTCCAGGCTGTGCCACCCTGCTCCAGCATCACTGTTTCGTCATAGTCAACCCAGCAGGA
ATAGACCGGCTGGCATGCTCTGCAGTTCCGGATCCCTGGTGCCTGGTCTGTGCTGGTCCCTGAATA
TCCAAGCAAATAACTGCTTCAGTACAGGCTTGTCTCGCGGGTCTGTTGACCAACGTGGTGACGGGACA
CCGGCAGTCCCTTTGGGACCAACAGTGTGCTTTGGCCAGCAGTTGCTCTCATGGCTCCTCTGCTGTTT
AATGGCTGCCGCTCTGGGAAATCTTTGCCATTGATCTGCGTTGTGAAATCAAGGAAGGATGGAAGG
CCACCCGCTGTTTCATGATTACAGCAGTGACCTCTGTGCGGATCCTCCAAGATGAGCAATACCTGATGGC
TTCAGACATGGCTGAAAAGATCAAGCTGTGGGACCTGAGGACCACGAAGTGCCTAAGGCAGTACGAAGGC
CACGTGAATGAGTACGCTACCTGCCCTGCATGTGCACGAGGAAGAAGGAATCCTGGTGGCAGTGGGCC
AGGACTGCTACACGAGAATCTGGAGCCTCCACGATGCCCGCTACTGAGAACCATAACCTCCCCGTACCC
TGCTCCAAGGCCGACATTCACAGTGTGGCCTTCTCGTCGCGGCTGGGGGGCTCCCGGGCGCGCCGGG
CTGCTCATGGCTGTGGGACGAGACCTTACTGTTACTCCTACAGC

ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG229222 representing NM_181341
 Red=Cloning site Green=Tags(s)

MNKSRWQSRRRHGRRSHQQNPWFRLRDSSEDRSDSRAAQP AHDSGHGDDESPSTSSGTAGTSSVPELPGFY
 FDPEKKRYFRLLPGHNNCNPLTKESIRQKEMESKRLRLLEEDRRKKADTNSDRLFTVNDVKVGGSKYGI
 INLQSLKPTPLKVFHMENLYFTNRKVNVSVCWASLNHLDSHILLCLMGLAETPGCATLLPASL FVNSHPAG
 IDRPGMLCSFRIPGAWSCAWSLNIQANNCSTGLSRRVLLTNVVTGHRQSFGTNSDVLAAQQFALMAPLLF
 NGCRSGEIFAIDLRCGNQKQGWKATRLFHDSAVTSVRILQDEQYLMASDMAGKIKLWDLRRTKCVRYEG
 HVNEYAYLPLHVHEEEGILVAVGQDCYTRIWSLHDARLLRTIPSPYPASKADIPSVAFSSRLGGSRGAPG
 LLMAVGQDLYCYSYS

TRTRPLE – GFP Tag – V

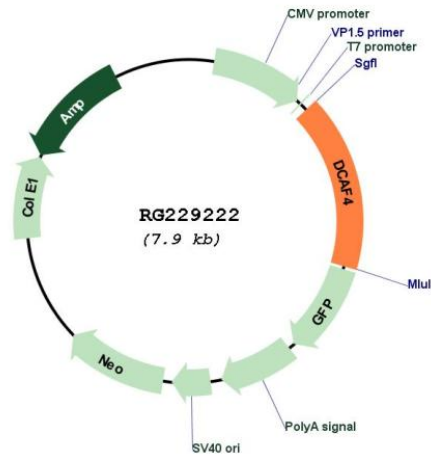
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_181341

ORF Size:	1305 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:	<ol style="list-style-type: none">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_181341.3
RefSeq Size:	2388 bp
RefSeq ORF:	1308 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]