

Product datasheet for **RG220579**

WDR42A (DCAF8) (NM_015726) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	WDR42A (DCAF8) (NM_015726) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	WDR42A
Synonyms:	GAN2; H326; WDR42A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG220579 representing NM_015726
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTCCAGCAAAGGGAGCAGCACAGATGGCAGAACAGACTTAGCTAATGGAAGCCTGTCTAGCAGTCCAG
 AGGAGATGTCTGGAGCTGAAGAGGGGAGGGAGACATCCTCAGGCATTGAAGTGGAGGCCTCAGACCTGAG
 TTGAGCTTGACTGGGGATGATGGTGGCCCAACCGCACCAGCACAGAAAGTCGAGGCACAGACACAGAG
 AGCTCAGGTGAAGATAAGGACTCTGACAGCATGGAGGACACTGGTCATTACTCCATTAATGATGAAAATC
 GAGTCCATGACCGCTCAGAGGAAGAGGAAGAGGAGGAAGAAGAGGAGGAAGAAGAGCAGCCTCGGCGCCG
 TGTACAGCGCAAGCGGGCTAACCGTGACCAGGACTCATCAGATGATGAGCGGGCCCTAGAGGACTGGGTG
 TCCTCAGAAACATCAGCTCTACCCGACCTCGCTGGCAAGCCCTCCCTGCCCTTCGGGAGCGGGAGCTGG
 GTTCAAGTGCCCGCTTTGTCTATGAGGCCTGTGGGCAAGAGTCTTTGTGCAGCGTTTCCGCTGCAGCA
 TGGGCTTGAGGGCCATACTGGTTGTGTCAATACCTGCACCTTTAACAGCGCGGCACCTGGCTGGCCAGT
 GGCAGCGATGACCTGAAGGTGGTGGTGTGGGATTGGGTACGGCGGCAGCCAGTACTGGACTTTGAGAGTG
 GCCACAAAAGTAATGTGTTCCAGGCCAAGTTTCTTCTAACAGTGGTGATTCTACTCTGGCCATGTGTGC
 CCGTGACGGGCAGGTTTCGAGTAGCAGAACTGTCTGCCACACAGTGTGCAAGAATACAAAACGTGTGGCC
 CAGCACAAGGGAGCGTCCCAAGTTGGCACTGGAACCAGACTCTCCCTGTACGTTCTTATCTGCAGGTG
 AAGATGCAGTTGTTTTACCATTTGACCTGAGACAAGACCGCCAGCGTCGAACTGGTGGTGACAAAAGA
 GAAAGAGAAGAAAGTGGGGCTGTATACGATCTATGTGAATCCTGCCAATACCCACCAGTTTGAGTGGGT
 GGACGAGATCAGTTTGAAGGATTTATGACCAGAGGAAATTTGATGAGAATGAGAAACATGGAGTACTCA
 AGAAGTTCTGTCTCATCACCTGGTGAACAGTGAGTCCAAAGCAAACATCACCTGTCTTGTGTACAGCCA
 CGACGGCACAGAGCTCCTGGCCAGTTACAATGATGAAGACATTTACCTCTTCAACTCCTCTCACAGTGAT
 GGGGCCAGTATGTTAAGAGATACAAGGGCCACAGAAATATGCCACAGTAAAAGCGCTCAATTTCTATG
 GCCCCAAGAGTGAGTTTGTGGTGAAGGCTAGTACTGTGGGCACATCTTCTCTGGGAGAAATCATCCTG
 CCAGATTATTCAGTTCATGGAGGGGACAAGGGAGGCGTGGTAACTGTCTTGAGCCCCACCCTCACCTG
 CCTGTGCTGGCAACCAGTGGCCTAGACCATGATGTGAAGATCTGGGCACCCACAGCTGAAGCTTCCACTG
 AGCTGACAGGGTTAAAAGATGTGATTAAGAAGAACAAGCGGGAGCGGGATGAAGATAGCTGCACCAAAC
 TGACCTGTTTGATAGTCACATGCTGTGGTTCCTTATGCATCACCTGAGACAGAGACGCCATACCCGGCGC
 TGGCGAGAACCTGGGGTTGGGGCCACAGACGCGGACTCTGATGAGTCTCCAGCTCCTCAGACACATCGG
 ACGAGGAGGAGGCCCTGACCGGTGCAGTGCATGCCATCT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG220579 representing NM_015726
 Red=Cloning site Green=Tags(s)

MSSKGSSTDGRDLANGSLSSSPEEMSGAEEGRETSSGIEVEASDLSLSLTGDDGGPNRTSTESRGTDTE
 SSGEDKSDSMEDTGHYSINDENRVHDSEREEEEEEEEEEEEQPRRRVQRKRANRDQDSSDDERALEDWV
 SSETSLPRPRWQALPALRERELGSSARFVYEACGARVFVQRFRLQHGLEHTGCVNTLHFNQRGTWLAS
 GSDDLKVVVWDVRRQPVLDVESGHKSNVFQAKFLPNSGDSTLAMCARDGQVRVAELSATQCKNTRKVA
 QHKGASHKLALPDSPCTFLSAGEDAVVFTIDLRQDRPASKLVVTKEKEKKVGLYTIYVNPANTHQFAVG
 GRDQFVRIYDQRKIDENENNGVLKKFCPHHLVNSESKANITCLVYSHDGTLLASYNDEDIYLFNSSHSD
 GAQYVKRYKGHRNNATVKGVNFYGPKEFVVSIGSDCGHIFLWEKSSCQIIQFMEGDKGGVVNCLPHPHL
 PVLATSLDHDVKIWAPTAESTELTGLKDVIIKKNKREREDSLHQDLFDHMLWFLMHHLRQRHHRR
 WREPGVGATDADSDSPSSSDTSDEEEGPDRVQCMP

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN:	NM_015726
ORF Size:	1791 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_015726.4
RefSeq Size:	3849 bp
RefSeq ORF:	1794 bp
Locus ID:	50717

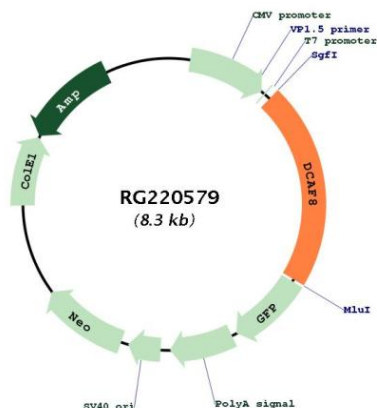
UniProt ID: [Q5TAQ9](#)

Cytogenetics: 1q23.2

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 RG220579