

Product datasheet for **RG205460**

WDR69 (DAWI) (NM_178821) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	WDR69
Synonyms:	ODA16; WDR69
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG205460 representing NM_178821
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAAGCTCAAGAGCCTCTGCTCCGGTATTACCGCCAGGAATTATGTTGGAATATGAAAAACATGGAG
AATTAAGACTAAGTCCATAGATTTGCTTGATCTTGGTCCCAGCACTGATGTCAGTGCCTTAGTAGAAGA
AATCCAGAAGGCAGAACCTCTACTCACAGCTTCACGAACAGAGCAAGTCAAACCTTTGATACAGAGGTTG
CAAGAGAACTCGGCCAGAACAGCAATCACACGTTCTATCTTTTAAGGTTCTCAAAGCACATATATTGC
CACTGACTAATGTTGCACTTAACAAATCGGGCTCATGCTTTATCACAGGAAGCTATGATCGGACGTGCAA
GCTCTGGGACACTGCGTCTGGAGAGGAGCTGAACACGCTGGAGGGCCACAGGAATGTGGTTTATGCCATA
GCATTCAACAATCCTTACGGTGACAAAATCGCCACTGGGTCTTTGATAAACTTGTAACCTCTGGAGTG
TGGAACAGGAAAATGTTACCATACCTTCAGGGGTCTACAGCAGAAATAGTGTGTTTATCATTTAACCC
TCAAAGCACATTGGTGGCGACTGGAAGTATGGACACAACAGCCAAATTGTGGGACATTGAGATGGCGAG
GAAGTTTACACCTTAAGAGGACATTCTGCCGAAATCATCTCCTTGTCTTTAACACCTCAGGAGACAGAA
TCATCACGGGCTCTTTGATCATACCGTTGTAGTGTGGGACGCTGACTGGAAGGAAGGTAATATCTT
AATTGGTCATTGTGCTGAGATTAGCAGTGCCTCATTCAATTGGGATTGCTCTAATATTAAGTGGCTCT
ATGGACAAAACCTGCAAGCTGTGGGATGCTACAAATGGAAAATGTGTGGCAACCTTAACAGGCCATGATG
ATGAAATACTAGACAGCTGCTTTGATTACACTGGAAAGCTTATTGCAACTGCTTCAGCTGATGGAACAGC
AAGAATTTTCAGTGCTGCCACAAGAAAATGCATTGCCAACTGGAAGGTCATGAAGGTGAAATTTCAAAG
ATTTCTTTCAACCCTCAAGGAACCATCTTCTAACTGGCAGCTCTGACAAAACGGCTAGAATCTGGGATG
CTCAGACTGGCCAGTGCCTCCAGGTTCTTGAGGGGCACACTGATGAAATCTTTTCATGTGCTTTCAACTA
TAAAGGCAACATAGTCATTACAGGCAGCAAGGATAATACCTGTAGGATATGGCGT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



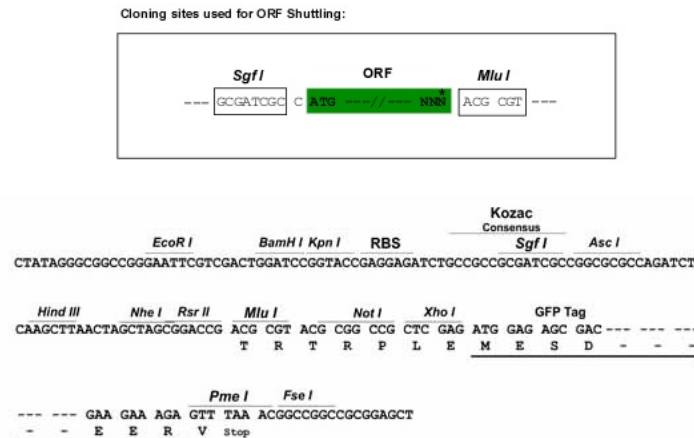
Protein Sequence: >RG205460 representing NM_178821
Red=Cloning site Green=Tags(s)

MKLKSLLLRYPPGIMLEYEKHGLKTKSIDLLDLGPSTDVSALVEEIQKAEPLLTASRTEQVKLLIQRL
QEKLGQNSNHTFYLFKVLKAHILPLTNVALNKSGSCFITGSYDRTCKLWDTASGEELNTLEGHRNVYAI
AFNNPYGDKIATGSFDKTKLWSVETGKCYHTFRGHTAEIVCLSFNPQSTLVATGSMDDTAKLWDIQNGE
EYVTLRGHSAEIIISLNFNTSGDRIITGSFDHTVVWDADTGRKVNILIGHCAEISSASFNWDCSLILTGS
MDKTCKLWDATNGKCVATLTGHDDEILDSCFDYTGKLIATASADGTARIFSAATRKCIKLEGHEGEISK
ISFNPQGNHLLTGSSDKTARIWDAQTGQCLQVLEGHTDEIFSCAFNYKGNIVITGSKDNTCRIWR

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_178821

ORF Size: 1245 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_178821.3](#)

RefSeq Size: 1669 bp

RefSeq ORF: 1248 bp

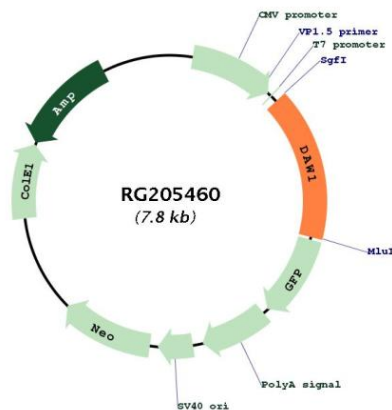
Locus ID: 164781

UniProt ID: [Q8NI36](#)

Cytogenetics: 2q36.3

Gene Summary: May play a role in axonemal outer row dynein assembly.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG205460