

Product datasheet for **RG208690**

WDR76 (NM_024908) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	WDR76 (NM_024908) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	WDR76
Synonyms:	CDW14
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG208690 representing NM_024908
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTCCAGGTCGGGCGCGGGCTGAGAAGCGGACTCCAGACAGCGACCCAGATGAAGGTAATGAAT
 ATAAAGAAAATCAAACATCGCTTATGTGTCTCTGAGACCAGCACAGACTACAGTTTTAATAAAAAACAGC
 TAAGGTCTATCTTGCCCCCTTTCACTCAGTAATTACCAGCTAGACCAGCTTATGTGCCCAAATCCCTA
 TCAGAAAAGAATTCTAACAAATGAAGTGGCGTGAAGAAGACTAAAATAAAGAAAACCTGCAGAAGGATTA
 TACCTCCAAGATGAAAAACACATCTTCCAAGGCAGAATCCACGCTGCAAAATTCATCCTCAGCTGTTCA
 TACTGAAAGTAACAAGCTACAACCCAAGAGAACGGCAGATGCGATGAATCTCAGTGTGATGTGGAAAGT
 AGTCAGGATGGAGACAGTGAAGATACCACACCAGCCCTGGATTTTTCGGGATGTACCCTACGAAA
 GGAAGAGACTGAAGAACATATCAGAAAACGCAGACTTTTTGCTTCTCTTCAGTTGTCTGAGTCTGCTGC
 AAGACTCCGTGAAATGATAGAGAAGAGACAGCCTCCTAAATCCAAAAGAAAGAAGCCTAAGAGAGAAAAT
 GGGATTGGATGTAGAAGTCAATGCGATTACTAAAAGTTGATCCTTCGGGAGTTTCATTACCAGCAGCTC
 CAACACCGCCGACATTAGTAGCAGATGAAACTCCTTTGTTACCTCCTGGGCCCTTAGAAAAGACTTCTGA
 AAATCAAGAAGACAACAATGAACGATTTAAAGGATTTCTGCACACATGGGCAGGAATGAGCAAGCCAAGT
 AGTAAGAACACTGAGAAGGGATTATCTAGCATTAAAAGCTACAAAAGCCAATTTAAATGGCATGGTCATTA
 GTGAAGATACCGTTTACAAAAGTTACCACAGGCCAATATTTCTCTATGGCTCTCCATCCATCAGAAACTAG
 AACTTTGGTAGCAGTTGGGGCCAAATTTGGGCAAGTTGGACTTTGTGATTTGACCAGCAACCTAAAGAA
 GATGGAGTTTATGTTTTTATCCCCATAGTCAGCCAGTTAGCTGTCTTTACTTCTCACCCGCAATCCGG
 CCCACATACTGTCACTGAGCTATGATGGCAGTTACGCTGTGGGATTTTTCCAGGGCTATTTTTGAAG
 GGTGTATAGAAAATGAAAAGAAGTAGCTTTTCTCCTTCGACTTCTTGGCAGAAGATGCCTCCACTTAATA
 GTAGGACACTGGGATGGAATATGTCACCTGGTGGATAGACGGACACCTGGAACCTTCTATGAGAACTTA
 CCAGTTCTTCTATGGGAAAAATAAGAACTGTTCAATGTCCACCCAGTGCATAGACAGTATTTTATCACTGC
 CGGATTGAGGGATACTCATATTTATGATGCAAGGCGATTGAATCCAGGAGAAAGTCAAGCCTTTGATTTCT
 TTGACTGAACATACAAAGAGCATTGCTTCCGCTATTTTTACCTCTTACTGGTAACAGAGTGGTGACCA
 CATGTGCTGATTGAATCTGAGAATTTTTGACAGCAGCTGTATATCTTCTAAGATTCCGCTCCTCACCAC
 CATCAGGCACAACACTTTCACTGGGCGATGGCTGACCAGGTTCCAAGCCATGTGGGATCCTAAACAAGAA
 GACTGTGTATAGTTGGCAGCATGGCCATCCACGACGGGTAGAATCTCCATGAGACAGGAAAGAGGG
 TGCAATCGTTTGGTGGAGAATACCTTGTCTGTGTGTTCCATCAATGCCATGCACCAACTCGGTATAT
 TTTGGCTGGAGGTAATCCAGCGGGAAGATACATGTTTTTATGAATGAAAAAAGCTGC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG208690 representing NM_024908
 Red=Cloning site Green=Tags(s)

MSRSGAAAEKADSRQRPQMKVNEYKENQNIAYVSLRPAQTTLVLIKAKVYLAPFSLSNYQLDQLMCPKSL
 SEKNSNNEVACKKTKIKKTCRRIIPPKMKNTSSKAESTLQNSSSAVHTESNKLQPKRTADAMNLSVDVES
 SQDGDSDDETTTPALDFSGLSPEYERKRLKNI SENADFFASLQLSESAARLREMIKRPKSKRKKPKREN
 GIGCRRSMRLKVDPSGVSLPAAPTPTLVADETPLLPPGPLEMTSENQEDNNERFKGFLHTWAGMSKPS
 SKNTEKGLSSIKSYKANLNGMVIS EDTVYKVTGPIFSMALHPSETRTL VAVGAKFGQVGLCDL TQQPKE
 DGVYVVFHPSQPVSLYFSPANPAHILSLSYDGLRCGDF SRAIFEEVYRNERSSFSSFDLAEASTLI
 VGHWDGNMSLVDRRTPGTSYEKLTSSSMGKIRTVHVHPVHRQYF ITAGLRDTHIYDARRLNSRRSQPLIS
 L TEHTKSIASAYFSPLTGNRVVTTACDNLRI FDSSCISSKIPLLTIRHNTFTGRWL TRFQAMWDPKQE
 DCVIVGSMAPRRVEIFHETGKRVSFSGGEYLVSVCSINAMHPTRYILAGGNSSGKIHVFMNEKSC

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_024908

ORF Size: 1878 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_024908.1](#), [NP_079184.1](#)

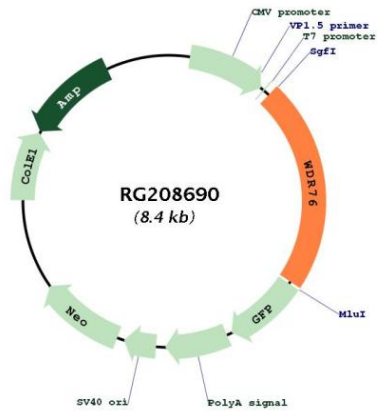
RefSeq Size: 2525 bp

RefSeq ORF: 1881 bp

Locus ID: 79968

UniProt ID: [Q9H967](#)
 Cytogenetics: 15q15.3
 Domains: WD40
 Gene Summary: Specifically binds 5-hydroxymethylcytosine (5hmC), suggesting that it acts as a specific reader of 5hmC.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG208690