

## Product datasheet for **RG209594**

### WDR93 (NM\_020212) Human Tagged ORF Clone

#### Product data:

|                           |                         |
|---------------------------|-------------------------|
| Product Type:             | Expression Plasmids     |
| Tag:                      | TurboGFP                |
| Symbol:                   | WDR93                   |
| Synonyms:                 | C1d-87; CFAP297; FAP297 |
| Mammalian Cell Selection: | Neomycin                |
| Vector:                   | pCMV6-AC-GFP (PS100010) |
| E. coli Selection:        | Ampicillin (100 ug/mL)  |



**ORF Nucleotide Sequence:** >RG209594 representing NM\_020212  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCGCGATCGCC

ATGTCATTCCTCCAGAGGAAGTCAGACCCAGAAAAATAAGCACCCCATTTGGTACACGAAAGGGACCATTGG  
 AGGTGCCACCCCAACAGAGAAGGACTGGCCTAAAGACGATGAACAGGATCATGTCCTCGTGGATCCAGA  
 TGAGGAGCTGGATTCTTGCCTCAGCCTTATCGAATGATCAACAAGCTGGTGAACCTTCTGTTTGACCAG  
 TCTTGGGAAATTATTGAAGAGAGAAACGCACTGAGGGAAGCTGAGAGCAGCCAGATCCAGCCACCGTCT  
 ACCCTCCACTTGGAGAAATCCAGCTCAACAAAATGCCAAATGTATGGCTGTTTCCCAAGACTATGTGTT  
 TATTGGAGGAGCCAAAGGATTCTCAATTTATAATCTGTACAGTGCTAAACAAATATATGCGTGGGAGAAG  
 CTTAAGGTTGATGTCACCTTCCATCTGGGCCACAGATTTAGGGAATGAAATACTCATTGCTCCTGTGGATG  
 AAATGGGTATCATTAGACTCTTTTATTTTATAAGGAAGGACTTTACCTAGTCAAAGCCATCAATGAAGT  
 GGATGATACCAGCAAGCAAACCTACCTGTATAAAGATGGAGATCTCTCAAGGAGGGGACTTTGCAGCCTTC  
 CTCCTACAAGGAGCCGGAGATATTTGGCTGGATGTGTATAAATTGCCCAAGGAGACTTGGCTCAAGAAAC  
 TAGAGCACCCCACTCACTTCAAATCAAAGAAAAAGTCAGACAGCCGCAACTGAACTCCCTTGGTCC  
 CATTTCTGCAGATCCTTTAGAAATGGATGCAATGTTAGTTTTAAAGGAGACATTAAATTGAGTCTTCCA  
 GTTTACATAATGAAGATCAAACCACTAAGCCTGTTACAGGCACCATTCAAAAGCCCCCTGGAAGTCT  
 TTGCAAGATCAAGGACTGCTACGGACTGGGCTCCGGGCAGAATCATTTTCATCAAGGACAGTCAGTGGGA  
 GCAGCAAGCTGAGATCTTCAACGCTTCTTACAAGAAGTACCTAGATAGGAGTGGGAGGAAGAGCCACTC  
 AGTACGGCCACCTTCTATTTCTTCTTCTAGCTGCCTATTTGCAATGCCACCGGAAGTCAAGGGCCCT  
 CAGGAATGGCTGTGCTTGGTATACACTGGACCAGAAGTCACAATTTCTTCTGTATTCTAAACCG  
 AACTCTAAAGGATAAAGCTGACCCCGAGGGTGTGTGGCCCTGTGCTGCGCCATTGCACTCTCTAGCTC  
 AGCTGCTCCTCCTACCTGGTGTGCTGCGGAGTGGTGTGCTCACGCTGTGGACCTGGCCAAAG  
 GATTCCTCTTGGGGTGTGCTCTTCTCAGGGATGTTTCTGCCAAAGCATTCACTTCTAAAAATTTT  
 CTCGGTCCACAAAGGACAGAATATGTATCTGAAGTCAAGTGAATCCAAATGAAATGTGTGGTGTG  
 TGCACAGACGCTCCCTCCATCTGGTGGAGGCTAGCGGGACCCAAGGACCCACCATCAGTGTGCTTGTG  
 AGAGGCTGTAAAGCACCTGGATAAAACCATCTGTGCCGTGGCCCCAGTCCCAGCCTTACCTGGCATGTT  
 GCTCATCTTTTCAAGAATGGCTCTGTGTGCTTATGGATGTGGCCAAGCGTGAATCATCTGTGCTTT  
 GCCCTCCGGGAGCCTTCTCTGGAGGTCCCCTGGAAGCCAGTGTGCTGTGCTCCAGACCATCCAT  
 GTTTCCTGCTCCGAGGAGACTATTCACATGAACTGCGTCCACCGACGATGCTGGAATCCAATATTCTGT  
 TTTCTATTTTAATTTGAGGCTGCCACTCCTGGAATAATCTCAAAAAATTGTACCATTCCTCAAAGG  
 GACTTGGATAACATGGCCTTCCCCAAGCACTGCCACTGGAGAAGAGATGTGAGCGTTTCTCCAGAAGA  
 GCTATCGAAGCTGGAGAAGAACCCAGAGAAGGAGGAGGAGCACTGGGCCCGGCTTCAGAGGTACTCCTT  
 GTCGCTCCAGAGAGAGAACTTCAAGAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG209594 representing NM\_020212  
 Red=Cloning site Green=Tags(s)

MSFPRGSQTQKIKHPIGTRKGPLEVPPPEKDWPKDDEQDHVLVDPDEELDSLQPYRMINKLVNLLFDQ  
 SWEIIEERNALREAESSQIQPTVYPLGEIQLNKMPNCMAVSQDYVFIGGAKGFSIYNLYSAKQIYAWEK  
 LKVDVTSIWATDLGNEILIAPVDEMGIIIRLFYFYKEGLYLVKAINVDDTSKQTTCTIKMEISQGGDFAAF  
 LLQGAGDIWLDVYKLPKETWLKLEHPQLTSNPKKKVRQPLNSLGPISADPLEMDANVSFKGDIKLSLP  
 VYIMKIKPPKPVGTGTFKSPLEVFAKIKDCYGLGSGQNHFIKDSQWEQQAEIFNASYKKYLDREWEEL  
 STATFYLLPSCLFAMPPEVKGPSMACVLGIHWTRSHNFFLYSLNRTLKDKADPEGVWPAAPIAVSQL  
 SCSSSYLVLACEDGVLTWDLAKGFPLGVAALPQGCFCQSIHFLKYFSVHKQNMYPEGVQVSKMCKVVL  
 CTDASLHLVEASGTQGPTISVLVERPVKHLDKTICAVAPVPALPGMVLIFSNGSVCLMDVAKREIICAF  
 APPGAFPLEVPWKPVFVSPDHPCLLRGDYSHETASDDAGIQYSVFYFNFEACPLENISKNTIPQR  
 LDNMAFPQALPLEKRCERFLQKSYRKLEKNPEKEEHWARLQRYSLSLQRENFKK

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

## Cloning Scheme:



**ACCN:** NM\_020212

**ORF Size:** 2058 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.

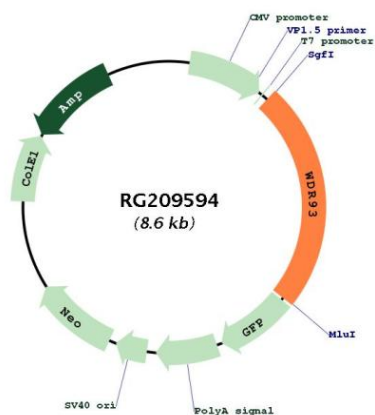
**Note:** Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

**RefSeq:** [NM\\_020212.2](#)

**RefSeq Size:** 2445 bp

RefSeq ORF: 2061 bp  
 Locus ID: 56964  
 UniProt ID: [Q6P2C0](#)  
 Cytogenetics: 15q26.1

**Product images:**



Circular map for RG209594