

## Product datasheet for **RG207339**

### **WDR75 (NM\_032168) Human Tagged ORF Clone**

#### **Product data:**

|                                  |                         |
|----------------------------------|-------------------------|
| <b>Product Type:</b>             | Expression Plasmids     |
| <b>Tag:</b>                      | TurboGFP                |
| <b>Symbol:</b>                   | WDR75                   |
| <b>Synonyms:</b>                 | NET16; UTP17            |
| <b>Mammalian Cell Selection:</b> | Neomycin                |
| <b>Vector:</b>                   | pCMV6-AC-GFP (PS100010) |
| <b>E. coli Selection:</b>        | Ampicillin (100 ug/mL)  |



ORF Nucleotide Sequence: >RG207339 representing NM\_032168  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCGCGATCGCC

ATGGTGGAGGAGGAGAATCCGCGTGGTTCTGTTGGCGGCAGCGAGTTGAACTTTAGGAGAGCTGTGT  
 TCTCTGCAGATTCTAAGTATATCTTCTGTGCTCTGGAGACTTTGTTAAAGTTTACAGCACAGTTACAGA  
 AGAGTGTGTACACATACTGCATGGACACAGAAATCTGGTACTGGAATCCAGCTTAACCCCAACAACCAT  
 CTACAGCTGTATTCTTGTCCCTTGATGGCACAATTAAGTGTGGGACTATATAGATGGCATCTTAATAA  
 AGACTTTCATAGTTGGATGTAACTTCATGCCCTCTTACTCTTGCCCAAGCTGAGGATTCTGTCTTTGT  
 TATAGTGAATAAAGAAAAACAGATATATTTCACTGGTTTCAGTGAACTGCCAAATCCTCAAGCCAG  
 GAAGTAGAAGCCAAGGAGCTGTCTTTGTTTGGATTACATAAACCAGTCACCAAGTGCATTGCCTTTG  
 GAAACGAGGGAGTATATGTTGCTGCAGTACGGGAATTTACTTGTCTGTTATTTTTTCAAAAAGAAAAC  
 AACATCAAGGTTTACTTTATCATCATCAAGAAATAAGAAGCATGCTAAAAACAATTTTACGTGTGTAGCA  
 TGTCACCCAACGGAAGACTGCATCGCATCTGGTCACATGGATGGCAAAATTCGTCTTTGGAGGAATTTTT  
 ATGATGATAAGAAATATACGTACACATGTTTACATTGGCACCATGATATGGTTATGGATTTGGCTTTTTC  
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 TGGTTACTTCAAAGTATGGATATTAACAGATGACTCTGACATATACAAAAAGCTGTTGGCTGGACCTGT  
 GACTTTGTTGGTAGTTATCACAAGTATCAAGCAACTAACTGTTGTTTCTCCGAAGATGGTTCTTTACTAG  
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 AAACACAGGCAACAGCAGGATGAAAACTAAACGAACTTTAGAGAATGAGCTGGTACAACCTACCCTTAA  
 CAGAAAACATACCCGCAATTAGTGAGCTTCTTCACACTCCAGCCCATGCTGCTGCTGCTTTCTCT  
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 GTAGATATGGAAGAAGAAAAAGAAAGTGAAGATTGAGATGAAGAAAATGATTTTACCGAAAAAGTCCAGG  
 ATACAAGTAACACAGGTTTAGGAGAAGACATTATACATCAGTTGTCAAAATCTGAAGAAAAAGAACTGAG  
 AAAATTTAGGAAATAGACTACAGCTGGATAGCTGCCCTT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:**

>RG207339 representing NM\_032168

Red=Cloning site Green=Tags(s)

MVEEENIRVVRGGSELNFRRAVFSADSKYIFCVSGDFVKVYSTVTEECVHILHGHRLVTGIQLNPNNH  
LQLYSCSLDGTIKLWDYIDGILIKTFIVGCKLHALFTLAQAEDSVFVIVNKEKPDIFQLVSVKLPKSSSQ  
EVEAKELSFVLDYINQSPKCIAGFNEGYYAAVREFYLSVYFFKKKTTSRFTLSSRNKKHAKNNFTCVA  
CHPTEDCIASGHMDGKIRLWRNFYDDKKYTYTCLHWHHDMVMDLAFSVTGTSLSSGGRESVLVEWRDATE  
KNKEFLPRLGATIEHISVSPAGDLFCTSHSDNKIIIIHRNLEASAVIQGLVKDRSIFTGLMIDPRTKALV  
LNGKPGHLQFYSLQSDKQLYNLDIIQQEYINDYGLIQIELTKAAFSGCFGNWLATVEQRQEKETELELQMK  
LWMYNKKTQGFILNTKINMPHEDCITALCFNAEKSEQPTLVASKDGYFKVWILTDDSDIYKAVGWTC  
DFVGSYHKYQATNCCFSEDGSLLAVSFEEIVTIWDSVTWELKCTFCQRAGKIRHLCTGRLTCSKYL LGAT  
ENGILCCWNLSCALEWNAKLNVVRMEPDNPSENIAAISQSSVGSDFVFKPSEPRPLYIQKGISREKVQ  
WGVFVRPDVPESFTSEAYQWLNRSQFYFLTKSQSLTFSTKSPEEKLTPSKQLLAESLPTTPFYFILG  
KHRQQQDEKLNETLENELVQLPLTENIPAISELLHTPAHVLPAAFLCSMFVNSLLSKETKSAKEIPED  
VDMEEEKESDSEENDFTEKVQDTSNTGLGEDIHQLSKSEEKELRKFRKIDYSWIAAL

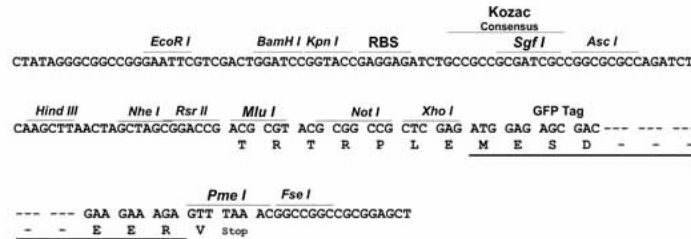
TRTRPLE - GFP Tag - V

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



**ACCN:**

NM\_032168

**ORF Size:**

2490 bp

**OTI Disclaimer:**

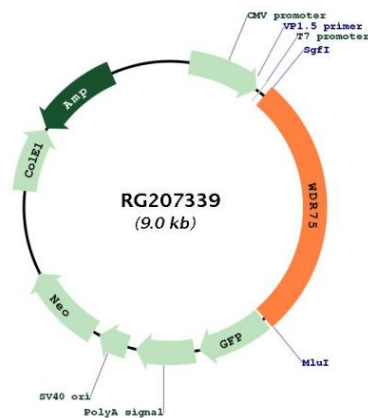
The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in 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.

|                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Components:</b>            | 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).                                                                                                                                                                                                                                                                                                                                    |
| <b>Reconstitution Method:</b> | <ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol> |
| <b>Note:</b>                  | Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>RefSeq:</b>                | <u>NM_032168.1, NP_115544.1</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>RefSeq Size:</b>           | 2777 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>RefSeq ORF:</b>            | 2493 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Locus ID:</b>              | 84128                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>UniProt ID:</b>            | <u>Q8IWA0</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Cytogenetics:</b>          | 2q32.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Gene Summary:</b>          | Ribosome biogenesis factor. Involved in nucleolar processing of pre-18S ribosomal RNA. Required for optimal pre-ribosomal RNA transcription by RNA polymerase I.[UniProtKB/Swiss-Prot Function]                                                                                                                                                                                                                                                                                                                         |

**Product images:**



Circular map for RG207339