

## Product datasheet for **RG224077**

### WDR33 (NM\_001006622) Human Tagged ORF Clone

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Expression Plasmids  |
| Product Name:             | WDR33 (NM_001006622) Human Tagged ORF Clone                                    |
| Tag:                      | TurboGFP   |
| Symbol:                   | WDR33  |
| Synonyms:                 | NET14; WDC146  |
| Mammalian Cell Selection: | Neomycin   |
| Vector:                   | pCMV6-AC-GFP (PS100010)  |
| E. coli Selection:        | Ampicillin (100 ug/mL)   |
| ORF Nucleotide Sequence:  | >RG224077 representing NM_001006622<br>Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCTACAGAAATTGGTTCTCCTCGTTTTTCCATATGCCAAGGTTCCAGCACCAGGCACCTCGAC  
AGCTGTTTTATAAGCGACCTGATTTTGCACAACAGCAAGCAATGCAACAGCTTACTTTTGATGGAAAACG  
AATGAGAAAAGCTGTGAACCGAAAACCATAGACTACAATCCATCTGTAATTAAGTATTTGGAGAACAGA  
ATATGGCAAAGAGACCAGAGAGATATGCGGGCAATTCAGCCTGATGCAGGTTATTACAATGATCTGGTCC  
CACCTATAGGAATGTTGAATAATCCTATGAATGCAGTAACAACAAAATTTGTTCCGACATCAACAAATAA  
AGTAAAGTGCCTGTATTTGTTGTTAGGTGGACTCCAGAAGGAAGACGCTTGGTCACTGGAGCTTCTAGT  
GGGAGTTTACCCTGTGGAATGGACTCACTTTCAATTTTAAAACAATATTACAGGCTCACGACAGCCCGAG  
TGAGGGCCATGACGTGGTCACATAATGACATGTGGATGTTGACAGCAGACCACGGAGGATATGTGAATA  
TTGGCAGTCGAACATGAACAACGTCAAGATGTTCCAGGCACATAAGGAGGCGATTAGAGAGGCCAGGTTT  
ATACACAATATACCATTTTCTGTAGTCCCTATTGTCATGGTTAAATTATTCTCTAAGTGTATTCTGGGTG  
CAGAGATGCATGGGCTCTGTCAGTTTCTGGAACTTTCTGCACCCTATAAACACAATATTTTTCTTTGT  
TTTCACACATTCACATTTTGTGCGCACCTTTCTGAAGTAGTGTGTCGGGTATCAGCCTTTGCAATAT  
GTTAGAGATGACTGTCTGCCGATTTTGCAGTGGTTTTCTTTTCATTTATGATTAATAATGTGTATA  
CGTTATTCCTTTTATTATCTACTGTGTAAGACAAGAATTTTCATTCCAATAAAGAATTCAGTCTT

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG224077 representing NM\_001006622  
 Red=Cloning site Green=Tags(s)

MATEIGSPPRFFHMPRFQHQAPRQLFYKRPDFAQQQAMQQLTFDGKMRKAVNRKTIIDYNPSVIKYLENR  
 IWQRDQRDMRAIQPDAGYYNDLVPPIGMLNPNMNAVTTKFRVTSTNKVKCPVFFVVRWTPGRRLVTGASS  
 GEFTLWNGLTFNFETILQAHDSPVRAMTWSHNDMMWMLTADHGGYVKYQSNMNNVQMFQAHKEAIREARF  
 IHNIPFSVVPVIMVKLFSKCILGAEMHGLCQFLGNFLHPINTIFFVFTHSPPFCWHLSEVVLSTRYQPLQY  
 VRDVLAAAFCTGFLFSFMINNVYTLFLFIYCVRQYEIFPNKEFSL

TRTRPLE - GFP Tag - V

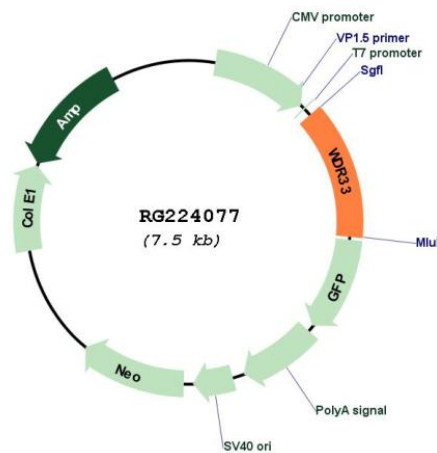
**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



**Plasmid Map:**



**ACCN:** NM\_001006622

**ORF Size:** 978 bp

|                               |  |
|-------------------------------|--|
| <b>OTI Disclaimer:</b>        | 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. <a href="#">More info</a>   |
| <b>OTI Annotation:</b>        | 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>RefSeq:</b>                | <a href="#">NM_001006622.2</a> , <a href="#">NP_001006623.1</a>  |
| <b>RefSeq Size:</b>           | 1174 bp  |
| <b>RefSeq ORF:</b>            | 981 bp   |
| <b>Locus ID:</b>              | 55339  |
| <b>UniProt ID:</b>            | <a href="#">Q9C0J8</a>   |
| <b>Cytogenetics:</b>          | 2q14.3   |
| <b>Protein Families:</b>      | Stem cell - Pluripotency   |
| <b>Gene Summary:</b>          | This gene encodes a member of the WD repeat protein family. WD repeats are minimally conserved regions of approximately 40 amino acids typically bracketed by gly-his and trp-aspartic acid (GH-WD), which may facilitate formation of heterotrimeric or multiprotein complexes. Members of this family are involved in a variety of cellular processes, including cell cycle progression, signal transduction, apoptosis, and gene regulation. This gene is highly expressed in testis and the protein is localized to the nucleus. This gene may play important roles in the mechanisms of cytodifferentiation and/or DNA recombination. Multiple alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq, Jul 2008] |