

## Product datasheet for **RG234788**

### WDR27 (NM\_001202550) Human Tagged ORF Clone

#### Product data:

|                           |                                             |
|---------------------------|---------------------------------------------|
| Product Type:             | Expression Plasmids                         |
| Product Name:             | WDR27 (NM_001202550) Human Tagged ORF Clone |
| Tag:                      | TurboGFP                                    |
| Symbol:                   | WDR27                                       |
| Mammalian Cell Selection: | Neomycin                                    |
| Vector:                   | pCMV6-AC-GFP (PS100010)                     |
| E. coli Selection:        | Ampicillin (100 ug/mL)                      |



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**ORF Nucleotide  
Sequence:**

>RG234788 representing NM\_001202550  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGC**

ATGGAATATCCCAAGACATTTTCTCAAGTAATGGTGGCTGTCTAAGTGATATAGTTATAGAAAAATACC  
 TGGTTGAATCCAAGGAGTCTGTGTCTCATGTTCAAGCTTGCTTGCAGCATGCAGGACTGTGCTTTCCCTTT  
 GGATGGAATGAATTTGTATATGGAACACTAAGGATCCTTCTCATCAGTTCTAATCCTACGAGGACAC  
 CATCAGCAATTACTGCTATGGCTTTTGGAAATAAAGTGAACCCACTTCTAATCTGCTCAGCATCACTGG  
 ATTATGTTATAATGTGGAACCTGGATGAATGTAGAGAGAAAGTACTTCAAGCATATCCTCTTCTCAGTTT  
 ATTCATTGATGCAGAAAGCAGGCAGCTGGTCACCGGTGTGCTGACGGCCAGCTTTGGATCTTCAGTTTG  
 ATGGATGGACACCATTATCGTCGTGTGGCAGGGTTGACCTAAGGAAGAAGACAGAGACTTTCTCCACAA  
 GAAGGGTTAAGTCTGGGCTGTGCAGCCAGCCAGAAGAAAGCCAGCTTCCCTCTACAAGTGTCTGGGAAA  
 AGGAGAGCAGGTTGAAGTAACATTTCTGTACTGAGACTTGCACCCTGTGATCTCTCACTCATCCCAAT  
 TCTGCATGTGGATGTCTTTCTTCTGAGAACACCCGATGTGTGTGGATCGGAAGCTCAGTGGGCTTATTCTG  
 TATTTAACCTGGCAAACCTGGAAGTGAAGCTGCTTTGTATTACAAGGATTTCCAGAGCCTCAGATCCT  
 GCTGGCCGGATCGTGTGCCCTGAGGAACCGCACTGCGGATCAAAAGGTGCTGTGCTTGTGCTGCCCTCCCTC  
 TTTGGCGGAAGATTGCCGTGTTGGAGATCAACCCGGCCGCGTGTAGTCAGGGCTCAGCAGTGCCCGAGCA  
 TGGGGCAGAGCCTCTCGGTGCCAGCCAGCTCCTGTGTCTACCGACCTCTCCACTGTATCTGGGAATTGC  
 CAAGGAGAAGAGTACCAAGGCTGCTAGTGAACAGCGACGTGTGCACGGAACGTCATGAAGGACCAACGC  
 CTGGTTTTCCATAGTAAAGTTAGTTCATCTGTTTATGCGTCAGCACCACATGTAAGTATGTTTTACCAA  
 AGACCAACATCAAGAGTGAGGGGAAAGGATCTTCAAGGAGCAGGAGCAGCTGCGCAGGGAGGCATACCC  
 CGTGGAGTGCCTGTGCCACCAAGCCCGGCCAGGTGCTGCGCGCCCACTGCACACGTGTATGC  
 TGCATCCAGTACTCAGGAGATGGCAGTGGCTGGCCTGTGGGTTGGCCAACCATCTGTTACTCGTTTTTG  
 ATGCCAGCCTGACTGGGACACCTGCTGTGTTTTAGGTACGACGGGGCAGTGAATGCCGTGTGCTGGAG  
 CCAGGACCGGAGGTGGCTGCTCTGCGGCCCGGGACGGGACCCTGCGAATGTGGTCGGCTCGTGGGGCA  
 GAGCTCGCACTGCTTCTGGGCAAAGACATGTTTTCTAAACCTATACAGTCTGCACAGTTCTATTATATAG  
 ATGCCTTTATATTGTTATCTTCTGGCCCTGAATTTCAAGTACTGAGGTATCACATTGACACTTGCAAAGA  
 TGAGATTAAGAGATATAAACAGAAGAGCAAGTCCAAGCTGATTTGCAGGCTCTCCACGACGGGTGCAGTA  
 GACATGACCAGTTTATCGGCAGTCAACGACTTTTATTCCACATCGTACTCGCAGCTGGCCGGAACAGGA  
 CCGTGGAAGTGTGACCTCAACGCCGGCTGCAGTGCAGCGGTGATAGCGGAAGCCCACTCACGGCTGT  
 CCATCAATCTGCCAAAATAAAGGTTTCATATTTACAACCAACAGCCTCAGGCTTATAACCTTTTCTCTG  
 ACCACGGCCATTGGCGATGGGATGAGACTGTGGGACCTGAGAACCCTGAGGTGTGAGCGCCACTTTGAAG  
 GGCATCCAACCCGCGCTATCCATGTGGAATCGCTTTCAGTCTTGTGGACGATTGCGGGCTGTGGGGC  
 CGAGGACAGACAGCTTACGTGTATGAAATGGGCTCAAGCAGTTTTTCTACCGGCTGGCTGGGCACACA  
 GACACTGTCACTGGAGTGGCCTTCAACCATCAGCGCCCCAGCTTGCCACAGTACCTTGGATGGTAAAC  
 TCCAGCTCTTTCTAGCTGAG

**ACGCGT**ACGCGGCCGCTCGAG – GFP Tag – GTTTAA

**Protein Sequence:** >RG234788 representing NM\_001202550  
 Red=Cloning site Green=Tags(s)

MENPQDIFSSNGGCLSDIVIEKYLVESKESVSHVQLACSMQDCAFPLDGTCLCIWNTKDPSHQLLILRGH  
 HQPITAMAFGNKYNPLLICASLDYVIMWNLDECREKVLQAYPLLSLFIDAESRQLVTGCADGQLWIFSL  
 MDGHHYRRVARVDLRKKTETTFSTRVKSGLCSPQPEESQLPSTALSALGKGEQVEVTFPVLRLAPCDLSLIPN  
 SACGLSSENTRCVWIGSSVGLFVFNLANLEVEAALYYKDFQSLSILLAGSCALRNRTADQKVLCLLASL  
 FGGKIAVLEINPAALVRAQQCPMSGQSLSVPASSCVLPTSPLYLGIAKEKSTKAASEQRRRAARNVMKDQR  
 LVFHSKVRSSGYASAPHVTMFSPTNLIKSEKGSRSRSCAREAYPVECAVPTKPGPQVAAAPTCTRV  
 CIQYSGDGQWLACGLANHLLL VFDASLTGTPAVFSGHDGAVNAVCSQDRRWLLSAARDGTLRMWSARGA  
 ELALLLGKDMFSKPIQSAQFYIDAFILLSSGPEFQLLRHYHIDTKCKEIKRYKQKSKSLICRLSTTGAV  
 DMTSLSAVNDFYSHIVLAAGRNRTVEVFDLNAGCSAAVIAEAHSRPVHQICQNGSSFTTQPPQAYNLF  
 TTAIGDMRLWDLRTLRCERHFEGHPTRGYPCGIAFSPCGRFACGAEDRHAYVYEMGSSTFSHRLAGHT  
 DTVTGVAFNPSAPQLATATLDGKLQLFLAE

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001202550

**ORF Size:** 2190 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.

**RefSeq:** [NM\\_001202550.1](#), [NP\\_001189479.1](#)

**RefSeq Size:** 3096 bp

**RefSeq ORF:** 2193 bp

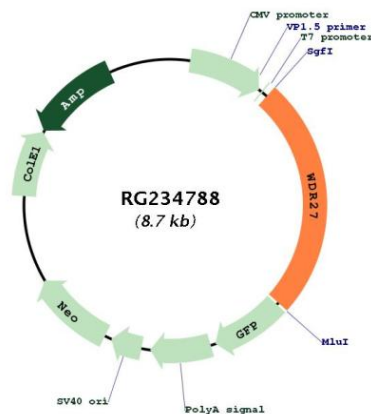
**Locus ID:** 253769

**UniProt ID:** [A2RRH5](#)

**Cytogenetics:** 6q27

**Gene Summary:** This gene encodes a protein with multiple WD repeats. Proteins with these repeats may form scaffolds for protein-protein interaction and play key roles in cell signalling. Alternative splicing results in multiple transcript variants, but the full-length structure of some of these variants cannot be determined. [provided by RefSeq, Nov 2015]

## Product images:



Circular map for RG234788