

Product datasheet for **RG215385**

WDR27 (NM_182552) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	WDR27 (NM_182552) 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:

>RG215385 representing NM_182552
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGCATCGCC

ATGAAAAATCCCAAGACATTTTCTCAAGTAATGGTGGCTGTCTAAGTGATATAGTTATAGAAAAATACC
TGGTTGAATCCAAGGAGTCTGTGTCTCATGTTTCAGCTTGCTTGCAGCATGCAGGACTGTGCTTTCCCTTT
GGATGGAAGTGAAGTGTATATGGAACACTAAGGATCCTTCTCATCAGCTTCTAATCCTACGAGGACAC
CATCAGCCAATTACTGCTATGGCTTTTGGAAATAAAGTGAACCCACTTCTAATCTGCTCAGCATCACTGG
ATTATGTTATAATGTGGAACCTGGATGAATGTAGAGAGAAAGTACTTCAAGGGCTGGTCCCTCGAGGGAC
TGTCTATGGGCTCGCTTTTGGAAAGGTGCTGTGTTTACAGTTGAGCCTGGATGATCATGTTGTTGCCGTG
TGTGCTGGAACAAAATATTCATGCTGGATATTGAGCAGCGATTTTCTGTGACATACATAGAACGTCCTG
ATGTTAATAACCGCCACAAAGTCCCACCACCGACTTCTGCACACATTCTCAGACTCAGGCTGTTCCG
GGCCGAGCTGCAGGGCCACTGGGCCCGGTGACTGCGGTGGAGTTCTGTCCCTGGCGAGCAGGCACCCCTC
ATCTCGGCGTCTGAGGACAGAGGCTTAAAGTCTGGGACCATGTACAGGATCATTAATATACAGTTTCAT
CTGTGTTATCAGCATATCCTCTTCTCAGTTTATTCATTGATGCAGAAAGCAGGCAGCTGGTCACCGGGTG
TGCTGACGGCCAGCTTTGGATCTTCAGTTTGATGGATGGACACCATATCGTCGTGTGGCAGGGTTGAC
CTAAGGAAGAAGACAGAGACTTTCTCCACAAGAAGGGTTAAGTCTGGGCTGTGCAGCCAGCCAGAAGAAA
GCCAGCTTCCCTCTACAAGTGTCTGGGAAAAGGAGAGCAGGTTGAAGTAAACATTTCTGTACTGAGACT
TGCACCTGTGATCTCTCACTCATCCAAATCTGCATGTGGATGCTTTTCTTCTGAGAACCCCGATGT
ATTACAAGGATTTCCAGAGCCTCAGTGGGCTTATTCGATTTAACCTGGCAAACCTGGAAGTGAAGCTGCTTTGT
TCAAAAGGTGCTGTGCTTGGCTCCCTCTTTGGCCGGAAGATTGCCGTGTTGGAGATCAACCCGGCC
GGCTAGTCAGGGCTCAGCAGTGCCCCAGCATGGGGCAGAGCCTCTCGGTGCCAGCCAGCTCCTGTGTCC
TACCGACCTCTCCACTGTATCTGGGAATTGCCAAGGAGAAGAGTACCAAGGCTGTAGTGAACAGCGACG
TGCTGCACGGAACGTATGAAGGACCAACGCTGGTTTTCCATAGTAAAGTTAGTTCATCTGTTATGCG
TCAGCACCATGTAATATGTTTTACCAAAGACCAACATCAAGAGTGAAGGGAAAGGATCTTCAAGGA
GCAGGAGCAGCTGCGCACGGGAGGCATACCCCGTGGAGTGCCTGTGCCACCAAGCCCGGCCCCAGGT
CGCTGCCGCCCCACCTGCACACGTGTATGCTGCATCCAGTACTCAGGAGATGGGCAGTGGCTGGCCTGT
GGTTGGCCAACCATCTGTTACTCGTTTTGATGCCAGCCTGACTGGGACACCTGCTGTGTTTTCAGGTC
ACGACGGGGCAGTGAATGCCGTGTGCTGGAGCCAGGACCGGAGGTGGCTGCTCTGCGGCCCGGACGG
GACCTGCGAATGTGGTGGCTCGTGGGGCAGAGCTCGCACTGCTTCTGGGCAAAGACATGTTTTCTAAA
CCTATACAGTCTGCACAGTTCTATTATATAGATGCCTTTATATTGTTATCTTCTGGCCCTGAATTTACAG
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GATTTGCAGGCTCTCCACGACGGGTGCAGTAGACATGACCAGTTTATCGGCAGTCAACGACTTTTATTCC
CACATCGTACTCGCAGCTGGCCGGAACAGGACCGTGGAAAGTGTGACCTCAACGCCGGCTGCAGTGCAG
CGGTGATAGCGGAAGCCCACTCACGGCTGTCCATCAAATCTGCCAAAATAAAGGTTTCATATTTACAAC
CCAACAGCCTCAGGCTTATAACCTTTTCTGACCACGGCCATTGGCGATGGGATGAGACTGTGGGACCTG
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GTCTTTGTGGACGATTTCGCGCTTGTGGGGCCGAGGACAGACACGCTTACGTGTATGAAATGGGCTCAAG
CACGTTTTCTACCGGCTGGCTGGGCACACAGACTGTCACTGGAGTGGCCTTCAACCCATCAGCGCCC
CAGGTACAGTCTTGTCTGTGCGCCACGCTGGAGTGCAGTGGCACGATCTCGTTCACTGCAACCTCCGC
CTTCCAGGTTCAAGCAATTTCTGCTCAGCCTCCCAGTAGCTGGGATTACAGCTTGCCACAGCTACC
TTGGATGGTAACTCCAGCTCTTTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG215385 representing NM_182552
Red=Cloning site Green=Tags(s)

MENPQDIFSSNGGCLSDIVIEKYLVESKESVSHVQLACSMQDCAFPLDGTCLCIWNTKDPSHQLLILRGH
HQPITAMAFGNKVNPLLICASLDYVIMWNLDECREKVLQGLVPRGTVMGSLGKVLCLQLSLDDHVAV
CAGNKIFMLDIEQRF SVTYIERPDVNNRHKVPPTFLHTFSQTQAVRAELQGHLPVTAVEFCPWRAGTL
ISASEDRGFKVWDHCTGSLIYSSSVLSAYPLLSLFI DAESRQLVTGCADGQLWIFSLMDGHHYRRVARVD
LRKKTETFSRRVKSGLCSQPEESQLPSTALGKGEQVEVTFPVLRLAPCDLSLIPNSACGCLSSENTRC
VWIGSSVGLFVFNLANLEVEAALYYKDFQSLSILLAGSCALRNRTADQKVLCLLASLFGGKIIVLEINPA
ALVRAQQCPMSGQLSVPASSCVLPTSPLYLGI AKEKSTKAASEQRRARNVMKDQRLVFH SKVRSSGYA
SAPHVTMFSPKTNIKSEGKSSRSRSCAREAYVECAVPTKPGPQVAAAAPTCTRVCCIQYSGDGQWLAC
GLANHLLL VFDASLTGTPAVFSGHDGAVNAVCSQDRRWLL SAARDGTLRMWSARGAELALLLGKDMFSK
PIQSAQFYIIDAFILLSSGPEFQLLR YHIDTCKDEIKRYKQKSKSLICRLSTTGAVDMTSL SAVNDFYS
HIVLAAGRNRTEVFDLNAGCSAAVIAEAHSRPVHQCQNKGSSFTTQPQAYNFLTTAIGDGMRLWDL
RTLRCERHFEGHPTRGYPCGIAFSPCGRFAACGAEDRHAYVYEMGSSTFSHRLAGHTDTVTGVAFNPSAP
QVQSCSVAHAGVQWHDLGSLQPPPSRFKQFFCLSLPSSWDYSLPQLPMMVNSSSF

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

ACCN:	NM_182552
ORF Size:	2685 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:	<ol style="list-style-type: none">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_182552.2 , NP_872358.2
RefSeq Size:	3193 bp
RefSeq ORF:	2688 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]