

Product datasheet for **SC116480**

WDR68 (DCAF7) (NM_005828) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	WDR68 (DCAF7) (NM_005828) Human Untagged Clone
Tag:	Tag Free
Symbol:	WDR68
Synonyms:	AN11; HAN11; SWAN-1; WDR68
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_005828, the custom clone sequence may differ by one or more nucleotides

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ATGTCCCTGCACGGCAAACGGAAGGAGATCTACAAGTATGAAGCGCCCTGGACAGTCTACGCGATGAACT
GGAGTGTGCGGCCCGATAAGCGCTTTCGCTTGGCGCTGGGCAGCTTCGTGGAGGAGTACAACAACAAGGT
TCAGCTTGTGGTTAGATGAGGAGAGTTCAGAGTTTATTTGCAGAAACACCTTTGACCACCCATACCCC
ACCACAAAGCTCATGTGGATCCCTGACACAAAAGGCGTCTATCCAGACCTACTGGCAACAAGCGGTGACT
ATCTCCGTGTGTGGAGGGTTGGTAAACAGAGACCAGGCTGGAGTGTGGCTAAACAATAATAAGAACTC
TGATTTCTGTGCTCCCTGACCTCCTTTGACTGGAATGAGGTGGATCCTTATCTTTAGGTACCTCAAGC
ATTGATACGACATGCACCATCTGGGGCTGGAGACAGGGCAGGTGTTAGGGCGAGTGAATCTCGTGTCTG
GCCACGTGAAGACCCAGCTGATCGCCCATGACAAAGAGGTCTATGATATTGCATTTAGCCGGGCCGGGG
TGGCAGGGACATGTTTGCTCTGTGGTGTGATGGCTCGGTGCGGATGTTTGACCTCCGCCATCTAGAA
CACAGCACCATCATTTACGAAGACCCACAGCATCACCCACTGCTTCGCCTCTGCTGGAACAAGCAGGACC
CTAACTACCTGGCCACCATGGCCATGGATGGAATGGAGGTGGTATTCTAGATGTCCGGTTCCCTGCAC
ACCTGTGCCAGGTTAAACAACCATCGAGCATGTGTCAATGGCATTGCTTGGGCCCCACATTCATCCTGC
CACATCTGCACCTGCAGCGGATGACCACCAGGCTCTCATCTGGGACATCCAGCAAATGCCCGAGCCATTG
AGGACCCATCCTGGCCTACACAGCTGAAGGAGAGATCAACAATGTGCAGTGGGCATCAACTCAGCCCGA
CTGGATCGCCATCTGCTACAACAACCTGCCTGGAGATACTCAGAGTGTAG
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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_005828 unedited ACTATAGGGCGGCCCGCGATTCCGGCACGAGGGTGGCCACCATGTCCTGCACGGCAAACG GAAGGAGATCTACAAGTATGAAGCGCCCTGGACAGTCTACGCGATGAACTGGAGTGTGCG GCCCGATAAAGCGCTTTCGCTTGGCGCTGGGCAGCTTCGTGGAGGAGTACAACAACAAGGT TCAGCTTGTGGTTAGATGAGGAGAGTTTTCAGAGTTTATTTGCAGAAACACCTTTGACCA CCCATACCCACCACAAAGCTCATGTGGATCCCTGACACAAAAGGCGTCTATCCAGACCT ACTGGCAACAAGCGGTGACTATCTCCGTGTGTGGAGGGTGGTGAACAGAGACCAGGCT GGAGTGTGGCTAAACAATAAAGAAGCTCTGATTTCTGTGCTCCCTGACCTCCTTTGA CTGGAATGAGGTGGATCCTTATCTTTTAGGTACCTCAAGCATTGATACGACATGCACCAT CTGGGGCTGGAGACAGGGCAGGTGTTAGGGCAGTGAATCTCGTGTCTGGCCACGTGAA GACCCAGTGTATCGCCATGACAAAGAGGTCTATGATATTGCATTTAGCCGGGCCGGGG TGGCAGGACATGTTGCCTCTGTGGGTGCTGATGGCTCGGTGCGGATGTTTGACCTCCG CCATCTAGAACACAGCACCATCATTACGAAGACCCACAGCATCACCCACTGCTTCGCT CTGCTGGAACAGCAGGACCTAACTACCTGNNCACCATGGCCATGGATGGAATGGAAGTG GTGATTCTAGATGNCCGGGTTCCCTGCACACTGTCGCCAGGTTAAACACCCTCGAGCATG TGCAATGGCATTGCTTGGGCCCACTTCATCCTGCCCTCTGCACTGNAGAN</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_005828 unedited CTATGTACGCGCCGCATCTANGATCGGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTGGAGCGG AGTCTTGCTCTGTGCGCCAGGCTGGAGTGCAGTGGCAGCATCTTGGCTCACTGCAAGCTC CACCTCCCAGGTTACGCCATTCTCCTGCCTCAGCCTCCCAAGTAGCTAGGACTACAGGT ACCCGCCACCACCCCGCTAATTTTTTTTTTTGTATTTTGTAGTAGAGATGGGGTTTACCA TGTTAGCCAGGATGGTCTCGATCTTCTGACCTTGGGATCTGGCCACCTCAGCCTCCCAAA ATGCTGGGATTACAGGTGTGAGCCACCACCCATCCTCGCCAGTTATTAATACCTTC CCTCTTCAAGTCCTAACCTTGCAGGCTAATTCCTCCCTGGAAGAAGAGGATTCCAATGCT CCTGAGCATAAAAAATTCAGGTCCTTGAATGACGTGGACCCATTCTCCAGCTCTCTGGTG GTAGAGGCCTGAGGCCTAATTTATTCAGCACCTCCATCCTTCAGTCAAGACAGATGAGGA CAATACAGGCAGTGTGCTCAGGCTGCCAGGAGCAAAAGGGCCATCACCCAGCTGGGCCA CAGCCTGGCGGAGCCTCCATGTGGGCTTCTGCTAAAGTCTAGTGGCTGCTCTCCCGC AGTCAGGGAGAACAGATCCAGGGCCTCCACCCAGTCTCGTGGCTGTCAGTTTGAGAAC CTCAACAATTACAGAGTTGTTTTTGAACCTACCACAGATCGGGTCTTTCTGAGCATG AATGGCTTACAGACTTTCTAAATCCTGAGACTGGAGAAAACCCCTCCTCAATCATGGGT CNTCCGGGCTGGTGAAGTAAAAGGGGGGTAGAAAAGCTGGGACTCCAAGACCACCACT CATCAACGGTGGAGATGTGTGGCCTGGCTAGGGGGGGGAGGGCCCTGGTGCCCGGGG GCGTTAGGGGAAGAAAGTCTG</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_005828
Insert Size:	4600 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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_005828.2](#), [NP_005819.2](#)

RefSeq Size: 6394 bp

RefSeq ORF: 594 bp

Locus ID: 10238

UniProt ID: [P61962](#)

Cytogenetics: 17q23.3

Domains: WD40

Gene Summary: This gene encodes a protein with multiple WD40 repeats which facilitate protein-protein interactions and thereby enable the assembly of multiprotein complexes. This protein has been shown to function as a scaffold protein for protein complexes involved in kinase signaling. This highly conserved gene is present in eukaryotic plants, fungi, and animals. The ortholog of this gene was first identified in plants as a key regulator of anthocyanin biosynthesis and flower pigmentation. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2014]

Transcript Variant: This variant (1) represents the longer transcript and encodes the functional protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.