

Product datasheet for **SC319466**

WDR5 (NM_052821) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	WDR5 (NM_052821) Human Untagged Clone
Tag:	Tag Free
Symbol:	WDR5
Synonyms:	BIG-3; CFAP89; SWD3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_052821.3
 GCCTTGTGCGAGCTGAGTCCGCGCTCCCGCCAGGCGGCGCCGACGCGACGCCCCGAGCG
 CCCGGCCCCGCCCGCGGCCCGGCAGACTGCCTCTGTACCCGGGTCCCTCCACCCTTGT
 CTCCTGTGCGGCCAGCATCAGAGCCATGGCGACGGAGGAGAAGAAGCCCGAGACCGAGGC
 CGCCAGAGCACAGCCAACCCCTTCGTATCCGCCACTCAGAGCAAGCCTACACCTGTGAA
 GCCAAACTATGCTCTAAAGTTCACCCTTGCTGGCCACACCAAAGCAGTGTCTCCGTGAA
 ATTCAGCCCGAATGGAGAGTGGCTGGCAAGTTCATCTGCTGATAAACTTATTAATAATTTG
 GGGCGCGTATGATGGGAAATTTGAGAAAACCATATCTGGTCACAAGCTGGGAATATCCGA
 TGTAGCCTGGTCGTGAGATTCTAACCTTCTGTTTCTGCCTCAGATGACAAAACCTTGAA
 GATATGGGACGTGAGCTCGGGCAAGTGTCTGAAAACCTGAAGGGACACAGTAATTATGT
 CTTTTGTGCAACTTCAATCCCCAGTCCAACCTTATTGTCTCAGGATCCTTTGACGAAAG
 CGTGAGGATATGGGATGTGAAAACAGGGAAGTGCCTCAAGACTTTGCCAGCTCACTCGGA
 TCCAGTCTCGGCCGTTCAATTTAATCGTGATGGATCCTTGATAGTTTCAAGTAGCTATGA
 TGGTCTCTGTGCGATCTGGGACACCGCCTCGGGCCAGTGCCTGAAGACGCTCATCGATGA
 CGACAACCCCCCGTGTCTTTTGTGAAGTCTCCCCGAACGGCAAATACATCCTGGCCGC
 CACGCTGGACAACACTCTGAAGCTCTGGGACTACAGCAAGGGGAAGTGCCTGAAGACGTA
 CACTGGCCACAAGAATGAGAAATACTGCATATTTGCCAATTTCTCTGTTACTGGTGGGAA
 GTGGATTGTGCTGGCTCAGAGGATAACCTTGTTTACATCTGGAACCTTCAGACGAAAGA
 GATTGTACAGAACTACAAGGCCACACAGATGTCGTGATCTCAACAGCTTGTACCCCAAC
 AGAAAACATCATCGCCTCTGCTGCGCTAGAAAATGACAAAACAATTAACCTGTGGAAGAG
 TGACTGCTAAGTCCCTTGTCTCTGCCGCAAGAGACTGTCGGGAAGTTGACCCGGATTG
 GCAAGAAAACAGGGTGTCTTGGAGGTGGTCCCCAGATCTGCGCCTGGGGGTCAGGACAGG
 GCCTGATTTGAGCCTCCTCTGAAGATGATTTGGCCGAGCGGAAGGTGTGGACCACAG
 AAAGTTCTTAAAAGTTGCTGGTGACATTTCTTGCCAATTTCAACACTGTCTAGGGAAGAG
 TTCTAGTCTATTGTGTTCAAACAGAGTCAACAAAAGTTTTTAATTTTTTATTACAGAAG
 GGTGAAGTTCAATTTAACATGCGTTGTGTTTTTTCAGTAAACGTTCTGTATCTTTTTGAT
 ATTCCATGACCCAGTGCACGCTGTGGCCTGTCACCGCCACCGTGGCCCCGCCAGCTGGCC
 TCCCTTTGGCCACGCCGGCCGCCCCATTCTCTGCTGCGTAGATGCCCTGGCCAGGG
 CCCTGACTCCTCCATCCCGCCAGTAGCTGTTCCCTAGTGTATTTTCGTCTTTCTGAAAA
 CAGCATTGAGTGGTTGTTTTCTGTGTAAGAGCCGTTTGTCTTGGGAGTTTGTGGCCC
 ACATGCCGATAGCACGGTCATCGCACATGACTCTCCCGTTTGTCTCAGTGTCCCTGCAAC
 AAGCAGCACCGCAGACTGTAATAAAAGGTGGGGTTTTGTGAAAAAAAAAAAAAAAAAAAA
 AAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_052821

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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_052821.3 , NP_438172.1
RefSeq Size:	3078 bp
RefSeq ORF:	1005 bp
Locus ID:	11091
UniProt ID:	P61964
Cytogenetics:	9q34.2
Protein Families:	Druggable Genome
Gene Summary:	<p>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-asp (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 protein contains 7 WD repeats. Alternatively spliced transcript variants encoding the same protein have been identified. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR, compared to variant 1. The two variants encode the same protein.</p>