

Product datasheet for **SC321445**

WDR31 (NM_001006615) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	WDR31
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



Fully Sequenced ORF:

>OriGene sequence for NM_001006615.1
 CCCACCCCGAGGCTCCGCGTTCCTCCGCGGCCAGCTCCAGCCCCGAGCCACCGTGCA
 AACATGCTTAGACAGAGAAGAGATTAACCTCAGTGGCTTCCCACTAATTACAGAGATTAA
 GAAGTGGCTGCCTGAACCTATTTTCCAAAGGATACACATTACAAATTATTGAATAGGGCAG
 CTAACCAAGAAGATCCTATTGGTTTGGGGGAACACAACCTCCAGCAGCCACAAGGATG
 CTGCTACTCAGGTGCCAACTGAAACAAGCTCCTCCACAGAAGGTTTCGTTTAGGTTTGT
 GTCGTGATGGGAAACAGCAAAGCAAACTCAAACACAGCACTTATAAATACGGGCTGAT
 GAAATTATAGAAGAGAGAATTCAAACCTAAAGCTTTTCAAGAGTATAGCCAGCTCACATG
 GATACCGTCTCTGTCTGGCTGCTTTGAACTCAGACCTTTGTGTCTCTGGAGGAAAGAT
 AAGACAGTTGTGGCTATAATTGGAACCTGGAATGTGGTGAAGGTTCAAAGGACAT
 GAACATGAGATACCAAGGTAGCCTGTATTTCCAAATCCAGCCAGTTCTTCAGTGCCTCT
 CGTGACAGGATGGTCATGATGTGGGACTTGACGCTTCTCACACCAAGGCAGCAATTG
 TGTGGCCATGCCATGGTGGTCACCGGATTGGCTGTGAGTCCAGACTCATCAGCTGTGC
 ACTGGCTCTCGGACAACACCTGCTTCTGTGGATGTGGTACAGGACAGAGTGTGGAA
 AGAGCATCTGTCTCCAGGAACGTGGTCACTCACCTGTCTGGTCCCCAGAGAACCATAC
 ATACTACAGACCTCTGAAGATAAAACCTCAGATTATGGGACAGTCGGGGCTGCAGGTA
 GCTCATATGTTTCTGCAAGCAGCACATTCAGACCTACTGTGAAGTCAGTGTGGATGGA
 CACAAGTGTATCTCTGCAGCAATGGCTTTGGAGGAGAAGGCTGTGAAGCCACGTTGTGG
 GACCTAAGACAGACTCGAAACAGAATATGTGAGTATAAGGGCATTTCAGACTGTGCGCA
 TCTCGCTCTTTTACCAAGAGCATTGGCTTGTATGCCTTTAATTGCTACCTCATCATAT
 GATTGCAAGGTGAAGATTTGGAACCAAGATACTGGAGCCTGCCTTTTACCTTGTCTCTG
 GATGGATCAGGACCTTGACTTCTCTGGCTGTTGGTGACGCCATCTCCTATTGTGTGCA
 AGTTTTAACAGAGGAATCACTTACTCAGAATGGACCACAGCCAAGGGCTGGAAGTGCAG
 GAAGTGGCAGCATCTGAGGCCAAGAGACACTCACTGGACAATATCAAACCATGGCTCCT
 CCTCAGCATGGCTTTGTGTCTTTCCAGTTATCTTGAGGGGAGTGGGATGTAGGGCTGGT
 ATCTTTTGGCTTAGGTTCAATTTACAAGATGTATCAGTGTGTAAGTCCAATAATTTAAGTC
 CAGTGATTTCAAAATCAGGTATAGAGTCCAGAAACATGGACTACACATAAGGTTCTCTATT
 TAAGTTAAATACAAATGCAACTTTTTAGTGAGCTTTTAGGACTACTCTTCAAAAAAAGTG
 TATTGCTCAGAATGATGACCTGTAATGTAAGAGTGGCAGGCCTCTGTCTGTGAAAGTCA
 GAACACAGGGCCCGAGCCTCTGGAAGTACCTTTGCAAGTCTTTACAAAAGAAAAAAGG
 CAGTGGGGAGAGAGAGTGTGTTGTTACATCAGAAATAATTGAGATGGGAAAGAAATAGTG
 CAGCTCCATAGAGGAGACGGACTGTAGACAATGAGATTAAGCTTCAATCACTGCTCCTCA
 GCAATGTGAAGAAATCAAAGTCAGGGCAAGAAAGCGAAATCTTGACTTCTATTCAAAGTG
 GCAGCAGAGTGGGAGGGCGGTACCTTCTAGCCAGTGTCTGTGAGCTTGTGTGAAATC
 AGACCTGAGATGGCTAGAAGCAGCAAGAACCATGGGCATTGCCAGAAATACAGGAG
 TTAGCACACCAGCTCTACAGATAAGAAAAACATTGAAATTCAAAGATTAAGGCCAAAAATA
 TCTCACTTGAATTTTAAATATTTTCAATTTGATTATATAAATGAAACATATATATGTTT
 TGGAATGGCCAGAGTGAGGCAAGGGGATCCCTGAGGCGGGAATCGCTTGAACCCAGG
 AGGCGGAGGTTGCGGTGAGCCGAGATTGTGCCATTGCACTCCAGCCTGGGCAACAAGAGC
 GAAACTCCATCTCAATAAATAAATAAAGTAAATGCCAGGAAAGGTGGTGACAAATGG
 TAGCCATAATTATTTATTTGCTCTCTGTCCAGACTAAATGTTCCCTTTTCCATATTTAA
 CATTTACCATTTCTGCCGTGAGCCACTGCGCCCGGCCTCTTCATCCATTCTTAGATCTTA
 TCCTCTAAACCTTTAGTCATCGTTTCACTCTCCTTTGATTCTTGTATGGGCTTTTCAA
 CTCTGGAAAGACAAAGAGATAGTGGGAGAGGAAGCCCGGTCACTGAGCATCTACAGAGGG
 CTAAATATATTTATTCTCATTGTTATTCCCAATATTCTGTATTGTGATTTCCATTTT
 ACAGATGAGGAAGCTGAGGGCTAGAAACATGCAGTACTTTGCCAAAGTCACACACATAT
 TAAGAAGAGCTGAGGTATGAATCTGGGTCTGCCTGACTCAAAGCCCAACGCTTTCTTTT
 GCATCGTGTCAAAAGTCATAGACCATGACATTGTTTGTATCTTCAAGACCAAGTTATTAA
 CTTTCTGGCTCCAAGGAGATCCCCTGCCCAAGTGCCTAGGGGCAGTAGACAGCTGTCTCA
 GGGACAGTCGTAGCATGTGCTGGATTATTAGTGACAGCAGTGACACTTTTTCCAGAAGG
 GAGAGAGGCAGCAAGTCAGAAAGTTCACGGGAATGAGTTGGGAGGGGTCCAGGGAAGG
 GGGACAGGCTGCCAGGAGAAGGAAAGTACACGGGAGAAAAATAGTGGGGCTCTGATGAGTT
 AGTAGGGTTCTGTTACCAATAAAATGTTTCCATAAACTGTAAAAAAGGAGGAGGAGGAGG
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Restriction Sites:

Please inquire

ACCN:	NM_001006615
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:	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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_001006615.1, NP_001006616.1</u>
RefSeq Size:	2322 bp
RefSeq ORF:	729 bp
Locus ID:	114987
Cytogenetics:	9q32

Gene Summary:

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-aspartate (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. Multiple alternatively spliced transcript variants encoding distinct isoforms have been found for this gene but the biological validity of some variants has not been determined. [provided by RefSeq, Jul 2008]

Transcript Variant: This variant (2) differs in the 5' UTR, lacks a portion of the 5' coding region and initiates translation at a downstream start codon, compared to variant 1. It encodes isoform 2 which is shorter than isoform 1. 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.