

Product datasheet for **SC128294**

WDR19 (NM_025132) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	WDR19 (NM_025132) Human Untagged Clone
Tag:	Tag Free
Symbol:	WDR19
Synonyms:	ATD5; CED4; DYF-2; FAP66; IFT144; NPHP13; ORF26; Oseg6; PWDMP; SRTD5
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_025132, the custom clone sequence may differ by one or more nucleotides

```
ATGAAGCGTATTTTCTCACTGCTAGAAAAGACTTGGCTTGGCGCACCAATACAGTTTGCCTGGCAAAAA  
CATCAGGAACTACCTTGCAGTAACAGGAGCTGATTATATTGTGAAAATCTTTGATCGCCATGGTCAAAA  
AAGAAGTGAAATTAACCTACCTGGTAACGTGTTGCCATGGATTGGGATAAAGATGGAGATGTCCTAGCA  
GTGATTGCTGAGAAATCTAGCTGCATTTATCTTTGGGATGCCAACACAAAATAAGACCAGCCAGTTAGACA  
ATGGCATGAGGGATCAAATGTCTTTCTTTGGTCAAAAGTTGGAAGTTTCTGGCTGTTGGAAGTGT  
TAAAGGAAATTTGCTTATTTATAATCATCAGACATCTCGAAAGATTCTGTCTTGGAAAACATACTAAG  
AGAATCACTTGTGGATGTTGGAATGCAGAAAATCTGCTTGTCTTGGTGGTGAAGATAAAATGATTACAG  
TTAGTAATCAGGAAGGTGACACGATAAGACAGACACAAGTGAGATCAGAGCCTAGCAACATGCAGTTTTT  
CTTGATGAAGATGGATGACCGAACCTCTGCTGCTGAAAGCATGATAAGTGTGGTCTTGGCAAGAAAAC  
TTGTTTTTTTTAAATCTGAATGAACCAGATAACCCAGCTGATCTTGAATTTGAGCAGGACTTTGGCAACA  
TTGTCTGCTATAATTGGTATGGTATGGCCGCATCATGATTGGTTTTTCATGTGGACATTTTGTGGTCA  
TTCTACTCATACTGGAGAGCTTGGTCAAGAGATATTTGAGGCTCGTAACCATAAAGATAATCAACCAGC  
ATTGCAGTATCACAGACTCTTAACAAAGTTGCTACATGTGGAGATAACTGCATTAATAAATCCAAGACTGG  
TGGACTTAAAAGACATGTATGTTATACTCAACCTGGATGAGGAAAATAAAGGATTTGGTACCTTGTCTGT  
GACTGATGATGGCCAGTTGCTAGCACTCTACCCAAAGGGGCTCACTTCATGTTTTCTGACCAAGCTG  
CCCATACTTGGGGATGCCTGCAGCACAAAGGATTGCCTATCTCACCTCCCTTGAAGTCACCGTAGCCCA  
ACCCTGTTGAAGGAGAGCTACCAATCACAGTTTCTGTTGATGTGGAACCAACTTTGTTGGCAGTAGGTCT  
TTATCATCTGGCTGTAGGAATGAATAATCGAGCTTGGTTTTATGTCTTGGAGAAAATGCTGTGAAAAAA  
TTGAAAGATATGGAGTATCTGGGAACAGTAGCCAGTATTTGCCTTCACTTCTGACTATGCTGCTGCACTTT  
TTGAAGGCAAAGTCCAGTTACATTTGATAGAAAGCGAAATCTGGATGCTCAAGAAGAACGTGAGACTCG  
GCTTTTCCAGCAGTGGATGATAAGTGCCGTATCTTATGCCATGCCTTAACTAGTGATTTCTCATCTAT  
GGTACAGATACTGGTGTCTGTTAGTATTCTACATTGAAGACTGGCAATTCGTTAATGATTATCGACATC  
CTGTCAGTGTGAAAAAGATTTTTCCCGACCAAAATGGGACCAGATTAGTTTTCTTATGATGAAAAAGTGA
```



[View online »](#)

TGGATTTGTTTACTGTCCAGTCAATGACGCTACCTATGAGATTCCAGATTTTTCCACCAACCATTAAAGGT
 GTTCTTTGGGAAAAGTGGCCAATGGATAAAGGTGTATTTATTGCTTATGATGATGATAAGGTGTACACTT
 ATGTCTTTACAAGGACACTATAACAAGGAGCCAAGGTTATTTGGCTGGTAGCACCAAAGTTCCTTTTGC
 TCATAAACCTTTGCTGCTATATAATGGAGAGCTGACCTGCCAAACACAGAGTGGAAAAGTAAACAACATC
 TACCTTAGCACCCATGGCTTTCTCAGCACTTAAAAGATACGGGGCTGACGAACTGAGACCAATGCTGG
 CACAGAATTTAATGCTAAAGAGGTTTTCTGATGCTTGGGAAATGTGCAGGATTCTGAATGATGAGGCTGC
 CTGGAATGAGTTGGCCAGAGCTTGTCTACATCACATGGAAGTGGAGTTTGCAATCCGTGTTTATCGGAGA
 ATTGAAAATGTTGGCATAGTGATGCTTGGAAACAAATAAAGGGAATAGAGGACTACAATCTTTTGGCAG
 GACACCTTGCCATGTTTACCAACGATTATAACCTGGCTCAGGACTTGACCTTGATCCAGCTGTCTAT
 TGCTGCCCTGGAGATGAGAAGGGATTTACAGCATTGGGACAGTGTCTACAACCTGGCAAAGCATTGGCC
 CCAGACCAGATACCTTTTATATCAAAGAATATGCTATTCAGCTTGAATTCGCGGGTATTATGTAATG
 CTTTGGCTCATTATGAGAAAGGAATAACAGGTGATAATAAGGAACATGATGAAGCTTGTCTGGCTGGAGT
 GGCCAGATGTCCATAAGAATGGGAGACATACGTCGAGGGTTAACCAAGCCCTCAAGCATCCCAGCAGG
 GTCCTTAAAAGAGACTGTGGAGCCATATTGGAGAATATGAAGCAATTTTCAGAAGCGGCCAACTGTATG
 AAAAGGTCTCTACTACGATAAAGCAGCATCTGTTTACATCCGCTAAGAAATTGGGCAAAGTTGGTGA
 TCTTCTGCCCCAGTTTTCTCTCCTAAGATCCATTTGCAGTATGCCAAAGCCAAGGAAGCAGATGGAAGA
 TACAAAGAAGCTGTTGTAGCTTATGAAAATGCAAAACAGTGGCAAAGTGAATCCGCATCTATCTGGATC
 ACCTCAATAATCCTGAAAAGCTGTCAATATTGTTAGAGAGACCCAGTCTCTGGATGGAGCCAAAATGGT
 AGCCAGGTTTTTCTACAGCTTGGTGACTATGGGTCTGCCATCCAGTTTCTTGTGCATGCCAAATGCAAC
 AATGAAGCTTTCACACTGGCTCAGCAACACAACAAAATGGAAATCTATGCAGATATTATTGGTCTGAAG
 AACTACTAATGAAGACTATCAAAGCATTGCCTTATACTTTGAAGGAGAAAAGAGATATCTTCAGGCTGG
 AAAATCTTCTTGTGTGGCAATATTCACGAGCACTTAAACACTTCTGAAATGCCAAAGCTCGGAA
 GATAATGTGGCAATAGAAATGGCAATGAAACTGTTGGTCAGGCCAAAGATGAAGTGTGACCAATCAGC
 TGATAGACCATCTCTGGGGGAGAACGATGGCATGCCTAAGGATGCCAAGTACCTGTTCCGCTTGTACAT
 GGCTCTGAAGCAATACCGAGAAGCTGCCAGACTGCCATCATCATTGCCAGAGAAGAGCAGTCTGCAGGC
 AACTACCGAATGCACACGATGTTCTTTCAGTATGTATGCAGAAGTGAATCCCAGAAGATCAAAATTC
 CCTCCGAGATGGCCACCAACCTCATGATTCTGCACAGCTATACTAGTAAAGATTATGTTAAAATGG
 AGATCACATGAAAGGGGCTCGCATGCTCATTGGGTGGCCAAACATCAGCAAATTTCCATCACACATT
 GTACCCATCTGACGTCAACTGTGATTGAGTGTACAGGGCAGGCCTGAAGAAGTCTGCTTTCAGCTTCG
 CAGCTATGTTGATGAGGCTGAATACCGCAGCAAATAGATGCCAAATACAAAAGAAAGATCGAGGGAA
 GGTGAGGAGACCCGATATATCTGAGATAGAAGAGGCCAGACTCCATGTCCATTCTGCAAATTTCTTCTC
 CCAGAGTGTGAAGTCTCTGCTGGATGTAACAAAGTATCCCATATTGCATTGCAACAGGTGCGACACA
 TGTGAAAGATGACTGGACGGTGTGTCCACATTGTGACTTCCCTGCTCTATACTCAGAATTGAAGATCAT
 GCTAAACTGAAAGCACATGTCCTATGTGTTCCAGAAAGATTAACGCTGCTCAGCTGAAAAGATTTCA
 GACTGTACCCAGTACCTGCGAACGGAGGAGGAAGTGTGA

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_025132 unedited
 CGAATTCGGCAGGAGGGGCTCGAGCGTGGAGATGAAGCGTATTTTCTCACTGCTAGAA
 AAGACTTGGCTTGGCGCACCAATACAGTTTGCCTGGCAAAAAACATCAGGAAACTACCTT
 GCAGTAACAGGAGCTGATTATATTGTGAAAATCTTTGATCGCCATGGTCAAAAAAGAAAGT
 GAAATTAACCTTACCTGGTAACTGTGTTGCCATGGATTGGGATAAAGATGGAGATGTCCTA
 GCAGTATTGCTGAGAAATCTAGCTGCATTTATCTTTGGGATGCCAACACAAAATAAGACC
 AGCCAGTTAGACAATGGCATGAGGGATCAAATGTCTTTCCTTCTTTGGTCAAAGTTGGA
 AGTTTCTGGCTGTTGGAAGTGTAAAGGAAATTTGCTTATTTATAATCATCAGACATCT
 CGAAAGATTCCTGCTTGGAAAACATACTAAGAGAATCACTTGGATGTTGGAATGCA
 GAAAATCTGCTTGTCTTTAGGTGGTGAAGATAAAAATGATTACAGTTAGTAATCAGGAAGGT
 GACACGATAAGACAGACACAAGTGAAGTGAAGCCTAGCAACATGCAGTTTTTCTTGATG
 AAGATGGATGACCGAACCTCTGCTGCTGAAAGCATGATAAGTGTGGTGTGGCAAGAAA
 CTTNTGTTTTTTTTAAATCTGAATGAACCCAGATACCCAGCTGATCTTTGATTTTCAGCAGG
 ACTTTGGGCACATTGTCTGCTATAATTGGTAT

3' Read Nucleotide Sequence:	>OriGene 3' read for NM_025132 unedited CCCCCAAACTTAAATTTAAGTTCTTCAAAACGCAAAAGAAAAATTTTGCTGAATTTTTA CAATTATGTCATAGGTTACTGAGGAAATAATATACAAAGTACAATAAACAGCAAGGTTAC ATGTCATCTTTTTGCCACCGTACAGAAGTGAAAGTGCCGACCTGGAGAGGTCACCGTTG TTTTCTTCTCTGTATCCAGAAAGGACCGTCTCTTAAATCCACCAGGGGAGGAAACAGCC TCCTGTGGAAAATGCTGTCTTCTCAGGAGCATTGTATCTGCACGTGCCAATCACAGTTCC TCCTCCGTTTCGAGGTAAGTGGGTACAGTCTGAAATCTTTTTTCAGCTGACCAGCGTTAAT CTTTCTGAACACATAGGACATGTGCTCTCAGTGTGTTAGCATGATCTTCAATTCTGACTAT AGAGCAGGGAAGTCACAATGTGGACACACCGTCTAGTCATCTTTCAACATGTGTTAACCA GTTCAATGCAATATGGGATACTGATTTATATCCAGGACAGAGGATTCCACAATCGGGAG AAGAAATTTGCCAATGGA
Restriction Sites:	NotI-NotI
ACCN:	NM_025132
Insert Size:	4500 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:	<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:	<u>NM_025132.3, NP_079408.3</u>
RefSeq Size:	4534 bp
RefSeq ORF:	4029 bp
Locus ID:	57728
UniProt ID:	<u>Q8NEZ3</u>
Cytogenetics:	4p14
Domains:	WD40

Gene Summary:

The protein encoded by this gene is a member of the WD (tryptophan-aspartic acid) repeat family, which is a large family of structurally-related proteins known to participate in a wide range of cellular processes. Each WD repeat typically contains about 40 amino acids that are usually bracketed by glycine-histidine and tryptophan-aspartic acid (WD) dipeptides. This protein contains six WD repeats, three transmembrane domains, and a clathrin heavy-chain repeat. Mutations in this gene have been described in individuals with a wide range of disorders affecting function of the cilium. These disorders are known as ciliopathies, and include Jeune syndrome, Sensenbrenner syndromes, Senior-Loken syndrome, combined or isolated nephronophthisis (NPHP), and retinitis pigmentosa (RP). Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Dec 2015]
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).