

Product datasheet for SC108191

WDR51A (POC1A) (NM_015426) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	WDR51A (POC1A) (NM_015426) Human Untagged Clone
Tag:	Tag Free
Symbol:	WDR51A
Synonyms:	PIX2; SOFT; WDR51A
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC108191 sequence for NM_015426 edited (data generated by NextGen Sequencing)

ATGGCTGCGCCCTGCGCGGAGGACCCCTCGCTGGAAAGGCATTTTAAGGGCCACCGAGAT
GCAGTTACCTGTGTGGACTTCAGTATCAACACAAAGCAGCTGGCCAGTGGCTCCATGGAC
TCATGCCTCATGGTCTGGCACATGAAGCCGAGTCACGCGCTACCGCTTCACTGGCCAC
AAGGATGCCGTACCTGTGTGAATTTCTCTCCTTCGGGACACCTGCTTGCTTCCGGCTCC
CGAGACAAGACTGTCCGCATCTGGGTACCCAATGTCAAAGGTGAGTCCACTGTGTTTCGT
GCACACACAGCCACAGTGAAGAGTGTCCACTTCTGCAGTATGGCCAGTCCCTTCGTGACA
GCCTCTGACGACAAGACAGTCAAAGTGTGGCAACTCATCGCCAGAAATTCCTGTTCTCC
CTGAGCCAGCATATCAACTGGGTCCGCTGTGCCAAGTTCTCCCCGACGGGCGGCTCATC
GTGTCTGCCAGTATGACAAGACTGTTAAGCTGTGGGACAAGAGCAGCCGGAATGTGTC
CACTCGTATTGTGAGCATGGCGGCTTTGTACCTATGTGGACTTCCACCCAGTGGGACG
TGCAATTGCCGCTGCCGGCATGGACAACACAGTGAAGGTGTGGGACGTGCGGACTACCGG
CTGCTGCAGCATTATCAGTTGCACAGTGCAGCAGTGAACGGGCTCTCTTCCACCCGTGCG
GGAAACTACCTGATCACAGCCTCCAGTGACTCAACCTGAAGATCCTGGACCTGATGGAG
GGCCGGCTGCTTACACACTCCACGGGCATCAGGGACCAGCCACCACTGTTGCCTTTTCA
AGAACGGGGGAGTATTTTGCTTCTGGAGGCTCTGATGAACAAGTATGTTTGAAGAGT
AACTTTGATATTGTTGATCATGGAGAAGTCACGAAAGTGCCGAGGCCCCAGCCACACTG
GCCAGTCCATGGGGAATCTGCCAGAAGTGGACTTCCCTGTCCCCCAGGCAGAGGCAGG
AGTGTGGAGTCTGTGCAGAGCCAGCCCCAGGAGCCCGTGAGTGTGCCCCAGACACTGACT
AGCACGCTGGAGCACATTGTGGGCCAGCTGGATGTCTCACTCAGACAGTCTCCATTCTG
GAGCAGCGGTTGACACTGACAGAAGACAAGCTGAAGCAGTGTCTGGAGAACCAGCAGCTA
ATCATGCAGAGCAACACCATGA

Clone variation with respect to NM_015426.4



[View online »](#)

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_015426 unedited
 CAAATTTGTATACGACTCATATAGGCGGCCGCGAAATTCGCACGAGGGCCACCGCAGCTG
 CCTTCGGCGCCGCCAGCCCCGCCATGGCTGCGCCCTGCGCGGAGGACCCCTCGCTGGAAA
 GGCATTTTAAGGGCCACCGAGATGCAGTTACCTGTGTGGACTTCAGTATCAACACAAAGC
 AGCTGGCCAGTGGCTCCATGGACTCATGCCTCATGGTCTGGCAGTGAAGCCGAGTCAC
 GCGCCTACCGCTTCACTGGCCACAAGGATGCCGTACCTGTGTGAACTTCTCTCCTTCGG
 GACACCTGCTTGCTTCCGGCTCCCGAGACAAGACTGTCCGATCTGGGTACCCAATGTCA
 AAGGTGAGTCCACTGTGTTTCGTGCACACACAGCCACAGTGAGGAGTGCCACTTCTGCA
 GTGATGGCCAGTCCTTCGTGACAGCCTCTGACGACAAGACAGTCAAAGTGTGGGCAACTC
 ATCGCCAGAAATTCCTGTTCTCCCTGAGCCAGCATATCAACTGGGTCCGCTGTGCCAAGT
 TCTCCCCGACGGGCGGCTCATCGTGTCTGCCAGTGATGACAAGACTGTTAAGCTGTGGG
 ACAAGAGCAGCCGGGAATGTGTCCACTCGTATTGTGAGCATGGCGGCTTTGTACCTATG
 TGGACTTCCACCCAGTGGGACGTGCATTGCCGCTGCCGCGATGGACAACACAGTGAAGG
 TGTGGGACGTGCGGACTACCGGCTGCTGCAGCATTATCAGTTGCACAGTGCAGCAGTGA
 ACGGGCTCTCTTCCACCCCGTCGGAAGTACCTGATCACAGCCTTCAGTGAAGTCAACCC
 TGAAGATCCTGNACCTGATGGAGGGGCCGCTGCTCTACCACTTCACGGGCATCAGGNACA
 GNCACACTGTTTGCTTTTCAGACGGGNGAGTATTTGCTCTGGAGN

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_015426 unedited
 TTTGTCCGCGGCCGATTCTATGATCGTTTTTTTTTTTTTTTTTTTGAATGAATCAGGT
 TTAATTTTGAATTCCTGTGCCCTCACTCACGAGGAGGAAGTCACCTGGCTCCAGTGAA
 CACGTGTGGAACAGAAATCAGGGCCACTAGAAAAGCCACCACCCACTTGAGAGGGCTTGT
 TCTCAACAAACCTGACTCAGATGGGCCACTTTGGGCTTTAGTCAGATTTAGAGAAAAC
 CCCCAGGCTCATCAATCAATGTGCAATCAATTTCTACACCATGGCAGAGGTAGGAAAAGC
 CAGTCACATGTCCAAATGATGAGTGAAAATCAAGGCATCGTGGAGCCACCTCCTCCAGAG
 GGGGAGCCACAATCTCAGGACCCCGAAGGAGCAGACATTTTCAAGTGGCTCCTTTACATT
 AAGCAAAATGTGGTCTCTCATTGCGGTCTGAAGCATATTTGTGTGAGCCCGGCCCA
 CTGGGGACCTCTGGTGCCAGGTGGAGAGCCTCCTGGTGAGATAGCAAGGTGGAGGGCA
 GAACTGCAAAAATCCAGGGCTCCAGTATGGATGTGATTTCCACAGAGTTTCACTCCCTTT
 ATTTACCAAGTCCCATGGTACAAATCCCTGGCCTGCCACCTGCAAAATCCACCGAGCTCC
 TGATTCCTGCTCCCTGATCATGGAGTTGCTCTCTGCATGATTAGCTGCTGGTTCTCCAG
 ACATGCTTTCAGCTTGTCTTCTGTGAGTCAACCGCTGCTCCAGAATGGAGACTGTCTG
 AGTGAAGACATCCAGTGTCCCATGTGCTCCAGCGTGTAGTCAAGTGTCTGAGGCACA
 CTCACGGGCTNCCTGGGCTGACTCTGCACAGACTCCCACTCCTGCCTCTGCCCTGGGGGA
 CAGGNAATTCACCTCCTGGCAGATTCCCATGGAGCTGNNCCATGTGGCTGGNAGGCCTNN
 GCACTTTCGTGACTTCT

Restriction Sites:

NotI-NotI

ACCN:

NM_015426

Insert Size:

2050 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:	<u>NM_015426.2, NP_056241.2</u>
RefSeq Size:	1890 bp
RefSeq ORF:	1224 bp
Locus ID:	25886
UniProt ID:	<u>Q8NBT0</u>
Cytogenetics:	3p21.2
Domains:	WD40
Protein Families:	Druggable Genome
Gene Summary:	POC1 proteins contain an N-terminal WD40 domain and a C-terminal coiled coil domain and are part of centrosomes. They play an important role in basal body and cilia formation. This gene encodes one of the two POC1 proteins found in humans. Mutations in this gene result in short stature, onychodysplasia, facial dysmorphism, and hypotrichosis (SOFT) syndrome. [provided by RefSeq, Sep 2012] Transcript Variant: This variant (1) encodes the longest isoform (1).