

Product datasheet for **SC116743**

WDR46 (NM_005452) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	WDR46 (NM_005452) Human Untagged Clone
Tag:	Tag Free
Symbol:	WDR46
Synonyms:	BING4; C6orf11; FP221; UTP7
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC116743 sequence for NM_005452 edited (data generated by NextGen Sequencing)

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ATGGAGACAGCCCCAAGCCGGGCAAGGATGTCCCGCCAAGAAAGACAACTTCAGACC
AAGAGAAAGAAACCGCGGCGATACTGGGAGGAAGAGACCGTTCGACCACAGCCGGAGCC
TCTCCAGGGCCTCCTCGTAACAAGAAGAATCGGGAGCTCCGTCTCAGAGACAAAAAAT
GCTTACATCTTAAAGAAGTCTCGGATCTCTAAGAAGCCTCAGGTCCCAGAAACCCCGA
GAATGGAAGAACC CGGAGTCCCAGCGGGCTTGTCCGGGGCCCAAGATCCATTCCCAGGC
CCCGCCCCGTCCCTGTGGAAGTGGTCCAGAAGTTCTGTGCGATTGACAAATCCCGAAAG
CTACCACATTCTAAAGCCAAAACCTGAAGCCGACTTGAGGTGGCTGAAGCTGAGGAAGAG
GAAACAAGTATCAAAGCTGCTCGTTCTGAGCTGCTGCTTGTGAAGAACCTGGGTTTCTG
GAAGGGGAGGATGGGGAAGACACAGCAAAGATATGCCAGGCTGACATTGTGGAGGCTGTG
GACATTGCAAGTGCAGCCAAGCACTTTGACTTGAATCTGCGGCAGTTTGGACCCTACAGA
CTAAACTACTCTGAACTGGAAGACACCTGGCTTTTGGAGGGCGCCGAGGTCATGTGGCT
GCCCTTGATTGGGTAACAAGAAGCTTATGTGCGAGATCAACGTCATGGAGGCGGTGCGG
GACATCCGGTTTCTCATTCTGAGGCACCTGCTTGTGTTGCTCAGAACCCTGGTCCAC
ATCTATGACAATCAGGGCATTGAGCTCCACTGTATCCGCCGCTGTGACCGAGTAACCGG
CTTGAGTTCCTGCCCTTCCACTTCTCCTGGCTACAGCTTCAGAAACAGGGTTTCTAACC
TACCTGGATGTGTGAGTGGGGAAGATTGTGGCAGCTCTGAATGCTCGAGCTGGGCGGCTC
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GGGGTCCGGGCTGTGGCAGTAGATTCTACAGGCACGTACATGGCCACCTCTGGCCTAGAC
CACCAGTGAAGATCTTTGACTTGCAGGGGACGTACCAGCCTCTGAGCACTCGGACCCTG
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CCCAACTTCGATGGCCTGGAGAGTAATCCATACAGAAGCCGGAAGCAGCGCCAGGAGTGG
GAGGTGAAGGCCCTGCTAGAGAAGGTACCTGCAGAGCTTATTTGTCTGGACCCACGAGCC
CTGGCCGAGGTGGATGTCATCTCCCTGGAGCAGGGAAAGAAGGAGCAGATAGAGAGGCTG
GGCTATGACCCGAGGCTAAGGCTCCCTTCCAGCCAAAGCCAAAGCAGAAGGGCCGAGC
TCCACGGCAAGCCTGGTGAAGAGGAAGAGGAAGGTCATGGATGAGGAACACAGGGACAAG
GTCCGGCAGAGCCTTACGAGCAGCATCATAAGGAGGCGAAGGCCAAGCCACGGGGGCC
CGGCCATCTGCCCTGGACAGATTTGTGCGCTGA

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Clone variation with respect to NM_005452.5
 280 a=>g;1431 g=>n;1432 g=>n

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_005452 unedited
 GTCAGCATTTTGTAAACGACTCACTATAGGGCGGCCGNAATTCGCACGAGGCCGTTCC
 GGGTGGGCGAGATGGAGACAGCCCCAAGCCGGGCAAGGATGTCCGGCCCAAGAAAGACA
 AACTTCAGACCAAGAGAAAGAAACCGCGGCGATACTGGGAGGAAGAGACCGTTCCGACCA
 CAGCCGGAGCCTCTCCAGGGCCTCTCGTAACAAGAAGAATCGGGAGCTCCGTCCTCAGA
 GACCAAAAAATGCTTACATCTTAAAGAAGTCTCGGATCTCTAAGAAGCCTCAGGTCCCGA
 AGAAACCCCGAGAATGGAAGAACCAGGAGTCCCAGCGCGCTTGTCCGGGGCCCAAGATC
 CATTCCCAGGCCCGCCCCGTCCTGTGGAAGTGGTCCAGAAGTTCTGTGCGATTGACA
 AATCCCGAAAGCTACCACATTCTAAAGCCAAAACCTCGAAGCCGACTTGAGGTGGCTGAAG
 CTGAGGAAGAGGAAACAAGTATCAAAGCTGCTCGTTCTGAGCTGCTGCTGCTGAAGAAC
 CTGGGTTTCTGGAAGGGGAGGATGGGGAAGACACAGCAAAGATATGCCAGGCTGACATTG
 TGGAGGCTGTGGACATTGCAAGTGCAGCCAAGCACTTTGACTTGAATCTGCGGCAGTTTG
 GACCCTACAGACTAACTACTCTCGAAGTGAAGACACCTGGCTTTTGGAGGGCGCCGAG
 GTCATGTGGCTGCCCTTGATTGGGTAACAAGAAGCTTATGTGCGAGATCAACGTCATGG
 AGGCGGTGCGGGACATCCGGNTTCTCCATTCTGAGGCACTGCTTGTGCTGCTCANAACC
 GCTGGCTCACCTCTATGACAATCAGGCCATTGAGCTCCACTGTATCCGCCGCTGTGACCG
 AGTACACGGCTTGAGANTCCTGCCTTTCCT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_005452 unedited
 CTTGAACGCGCCCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT
 TTTTTTTTTTTTTTTAAAAAAATCGTTTTTCTTTTAAATACCAACCCACCCAGGAAA
 ACAGTTGCCACCCAGTGGGGAAGGGCCACATTGCCCCACCTCTTTGTTCCAGGG
 AACACTCTTTTCTTACAGGGGATCTTGGGAAAAACTGTTCCAGGCAACCTTGGAGTT
 TGGCTAAGCCCAAAATTTGCCAGGGCAATGGCCGGCCCCCGGGGGCTTGGCCTTCC
 CCTCCTATAATGCTGCTGCTAAAGGCTTTGCCGAACCTTGCCCTGGGTTCTAATCCA
 TGACCTTCTTTTCTTTAACCAGTTTGCCGGGAGCTGCGGCCCTTCTGTTTTGGTT
 TTGGCTGGAAGGGACCCTTACCCTGCGGTAATAAACCACCTTTTTATCGGCTCCTTTT
 TTCCCTGCTCAAGGAAATAACATCCACCTCGGCCAGGTTGGGGGTCCAAACAATAA
 CCTTTGAAGGTACTTTTTTACAAGGCTTACCTCCACTCCTGGCGTCTTCCGGT
 TTTTGTATGGATTACTTCCACCCATCGAATTTGGGCTCACCGCCCCCTGAAGGGAGG
 GAGGAAAAACCCTGGCCCATAGGAAAAACCCTGAGTCCAACACGTTCCAGCCAATAAAC
 CCCCAGTTCTGGATGGTTTTGGCCAAAACCTCCACCAAAGTTATTTATTCTAAGCCC
 CCTCCCTTTGCTCCTCACTACCCAGGACACAGAAGTTTGTNGGAATGTCCACATTGCTC
 CCCCCCATTATTTTCTAGGGCGAACTCAAGAGCCTGCCCTTGCCTTATTCTCG
 GTTGTAGCAGGGCTATCCAGGAGGAGGGTCCGCCCTCCCCTTCTCGCCCAATTC
 CAACACCTTTTCCGCCCTTCCAACACCCGGTAAAGGCAG

Restriction Sites:

NotI-NotI

ACCN:

NM_005452

Insert Size:

2140 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:	NM_005452.4 , NP_005443.2
RefSeq Size:	2065 bp
RefSeq ORF:	1833 bp
Locus ID:	9277
UniProt ID:	O15213
Cytogenetics:	6p21.32
Domains:	WD40
Protein Families:	Druggable Genome
Gene Summary:	<p>Scaffold component of the nucleolar structure. Required for localization of DDX21 and NCL to the granular compartment of the nucleolus.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).</p>