

Product datasheet for **SC100064**

WDR16 (CFAP52) (NM_145054) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	WDR16 (CFAP52) (NM_145054) Human Untagged Clone
Tag:	Tag Free
Symbol:	WDR16
Synonyms:	WDR16; WDRPUH
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

>OriGene sequence for NM_145054 edited
 GGCACGAGGCCACACAGCGGAGCATCCTGGAGCAGCTAGCTGAGAAAACTTTGAGCT
 GGTGATTAACCTGTCAATGCGTGGAGCTGGGGCCGGCGTCTCTCTTCTTTGTACCAA
 GGGCTACCGCACCCGACGCTTGGCCGCTGACTTCTCCGTGCCCTAATCATCGATATCAA
 GTGCACCAAACTTTGTGGAGGCCCTAGGCCAGATCGGGCCAGCCCCTCTTTGAAGGT
 GCATGTTGACTGTATGACCTCCAAAAGCTTGTGCGACTGCCGGGATTGATTGATGTCCA
 TGTGCACCTGCGGGAACCAGGTGGGACACATAAGGAGGACTTTGCTTCAGGCACAGCCGC
 TGCCTTGCTGGGGTATCACCATGGTGTGTGCCATGCCAATACCCGGCCCCCATCAT
 TGACGCCCTGCTCTGGCCCTGGCCAGAAGCTGGCAGAGGCTGGCGCCCGGTGCGACTT
 TGCGCTATTCTTGGGGCTCGTCTGAAAATGCAGGAACCTTGGGCACCGTGGCCGGGTC
 TGCAGCCGGGCTGAAGCTTTACCTCAATGAGACCTTCTCTGAGCTGCGGCTGGACAGCGT
 GGTCCAGTGGATGGAGCATTTGAGACATGGCCCTCCACCTCCCATTGTGGCTCACGC
 GGAGCAGCAAACCGTGGTGTCTCCTCATGGTGGCTCAGCTCACTCAGCGCTCAGTGCA
 CATATGTCACGTGGCACGAAGGAGGAGATCCTGCTAATTAAGCTGCAAAGGCACGGGG
 CTTGCCAGTGACCTGCGAGGTGGCTCCCCACCACCTGTTCTAAGCCATGATGACCTGGA
 GCGCCTGGGGCTGGGAAGGGGAGGTCCGGCCTGAGCTTGGCTCCCGCAGGATGTGGA
 AGCCCTGTGGGAGAACATGGCTGTCATCGACTGCTTTCCTCAGACCATGCTCCCATAC
 CTTGGAGGAGAAGTGTGGGTCCAGGCCCCACCTGGGTTCCAGGGTTAGAGACCATGCT
 GCCACTACTCCTGACGGCTGTAAGCGAGGGCCGGCTCAGCCTGGACGACCTGCTGCAGCG
 ATTGCACCACAATCCTCGGCGCATCTTTCACCTGCCTCCGAGGAGGACACCTATGTGGA
 GGTGGATCTGGAGCATGAGTGGACAATCCAGCCACATGCCCTTCTCCAAGGCCACTG
 GACACCTTTTGAAGGGCAGAAAGTGAAGGGCACCGTCCGCCGTGGTCTCGAGGGGA
 GTTGGCTATATCGATGGGCAGTTCTGGTACCCCGGGCTATGGACAGGATGTACGGAA
 GTGGCCACAGGGGCTGTTCTCAGCTCCACCCCTCAGCCCTGCCACTAGTGAGATGAC
 CACGACACCTGAAAGACCCCGCCGTGGCATCCAGGGCTTCTGATGGCCGCTTCCATCT
 GCCGCCCGAATCCATCGAGCCTCCGACCCAGGTTTGCCAGCTGAGGAGCCAAAGGAGAA
 GTCCTCTCGGAAGGTAGCCGAGCCAGAGCTGATGGGAACCCCTGATGGCACCTGTACCC
 TCCACCACAGTACCGAGACAGGCATCTCCCCAGAACCTGGGGACCCCTGGCTTGCTGCA
 CCCCCAGACCTACCCCTGCTGCACTCATTAGTGGCCAAACATATCCTGTCCGTCCAGCA
 GTTCACCAAGGATCAGATGTCTACCTGTTCAATGTGGCACACACTGCGTATGATGGT
 GCAGAAGGAGCGGAGCCTCGACATCCTGAAGGGGAAGGTATGGCCTCCATGTTCTATGA
 AGTGAGCACACGACAGCAGCTCCTTTGACGAGCCATGGCCCCGCTGGGAGGTGCTGT
 GCTCAGCTTCTCGGAAGCCACATCGTCCGTCCAGAAGGGCGAATCCCTGGCTGACTCCGT
 GCAGACCATGAGCTGCTATGCCGACGTGCTGCTCCGGCACCCCCAGCCTGGAGCAGT
 GGAGCTGGCCGCAAGCACTGCCGAGGCCAGTATCAATGCTGGGGATGGGGTCGGAGA
 GCACCCCAACCCAGGCCCTGCTGGACATCTTACCATCCGTGAGGAGCTGGGAACGTCAA
 TGGCATGACGATACGATGGTGGGTGACCTGAAGCACGGACGCACAGTACATTCCCTGGC
 CTGCCTGCTACCCAGTATCGTGTGACCTGCGCTACGTGGCACCTCCCAGCCTGCGCAT
 GCCACCACTGTGCGGGCCTTCTGTCCTCCCGCGCACCAAGCAGGAGGAATTCGAGAG
 CATTGAGGAGGCGCTGCCTGACACTGATGTGCTTACATGACTCGAATCCAGAAGGAACG
 ATTTGGCTCTACCCAGGAGTACGAAGCTTGCTTTGGTCAGTTTCCTCACTCCCCACAT
 CATGACCCGGGCCAAGAAGAAGATGGTGGTGTGACCCGATGCCCGTGTCAACGAGAT
 AAGCGTGGAAAGTGGACTCGGATCCCCGCGCAGCCTACTCCGCCAGGCTGAGAACGGCAT
 GTACATCCGATGGCTCTGTTAGCCACCGTGTGGGCCGTTTCTAGGGCCTGGCTTCTC
 AGCCTCTTCTCTTAGGCCCAGTGTGGGCAAGGAATCCAGTGCCTCCTACGGGGGCA
 GCACACTTAGATATTCCTGGACATCCAGATAGCTCACATGTGCTGACCACACTTCAGGCT
 CTGGACTGGAGCTCTCTGGCATGGGGTGGGGCCTCAGATGCTGGGGCCAGTCTGCCCC
 ATCTTCATTCTGCACCTTAAACCTGTACAGTCATTTTCTACTGACTTAATAAACAGCC
 GAGCTGTCCCTTGAAAAAAAAAAAAAAAAA

5' Read Nucleotide Sequence:	>OriGene 5' read for NM_145054 unedited GTCAGAATTTTGTAAACGACTCACTTATAGGGCGGCCGGAATTCGCACCAAAGAAGAC GCTGCAGCCACTAGGGAGGAGAGCAAAGTAATCAGAACCTCCCAAGGATGGATAACAAAA TTTCGCCGGAGGCCCAAGTGGCGGAGCTGGAACCTGACGCCGTGATCGGCTTCAATGGAC ATGTGCCCCTGGTCTCAAAATGCCATCTGACCAGGAGCATATGATTTATCCTCTTGTT GCACAGTCCTCATTCAAGCAATAAATACTAAAGAGCAGAACTTCCTACAGGGTCATGGCA ACAACGTCTCCTGCTTGCCATCTCCAGGTCTGGAGAGTACATCGCCTCCGGACAAGTCA CATTCATGGGGTTCAAGGCAGACATCATTTTGTGGGATTATAAGAACAGAGAGCTGCTTG CTCGGCTGTCCCTTCACAAAGGCAAAATTGAAGCTCTGGCCTTTCTCCAATGATTGT ACTTGGTATCACTAGGAGGCCANATGACGGAAGTGTGGTGGTGTGGAGCATAGCCAAGA GAGATGCCATCTGTGGCAGCCCTGCAGCCGGCCTCAATGTTGGCAATGCCACCAATGTGA TCTTCTCCAGGTGCCGGATGAGATGTTTATGACTGCTGGAAATGGGACAATTCGAGTAT GGGAATTGGATCTTCCAATAGAAAAATCTGGCCAACTGAGTGCCAAACAGGACAGTTGA AAAAGATAGTCATGAGTATTGGAGTGGATGATGATGATAGCTTTTCTACCTTGGCACCA CGACTGGAGATATTTCTAAAATGAACCCAGNACTAACTGCTGACAGATGTTGGCCCTG CGAAAGACAAATTCAGTTGGGAGTGTGAGCTATCAGTGCCTGAATATGGGGGTTTGTGT GGCCTCGGAACC
Restriction Sites:	Please inquire
ACCN:	NM_145054
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_145054.1</u> , <u>NP_659491.1</u>
RefSeq Size:	2162 bp
RefSeq ORF:	1863 bp
Locus ID:	146845
UniProt ID:	<u>Q8N1V2</u>
Cytogenetics:	17p13.1
Domains:	WD40

Gene Summary:

WD repeat-containing proteins, such as WDR16, play crucial roles in a wide range of physiologic functions, including signal transduction, RNA processing, remodeling the cytoskeleton, regulation of vesicular traffic, and cell division (Silva et al., 2005 [PubMed 15967112]).[supplied by OMIM, Mar 2008]

Transcript Variant: This variant (2) represents the longer transcript and encodes the longer isoform (B).