

Product datasheet for **SC315798**

WDR16 (CFAP52) (NM_001080556) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	WDR16 (CFAP52) (NM_001080556) Human Untagged Clone
Tag:	Tag Free
Symbol:	WDR16
Synonyms:	WDR16; WDRPUH
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC315798 representing NM_001080556.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCACGATCGCC
ATGGATAACAAAATTTCCCGGAGGCCAAGTGGCGGAGCTGGAACCTTGACGCCGTGATCGGCTTCAAT
GACATCATTTTGTGGATTATAAGAACAGAGAGCTGCTTGCTCGGCTGTCCTTCACAAAGGCAAAATT
GAAGCTCTGGCCTTTTCTCAAATGATTTGTACTTGGTATCACTAGGAGGCCAGATGACGGAAGTGTG
GTGGTGTGGAGCATAGCCAAGAGAGATGCCATCTGTGGCAGCCCTGCAGCCGGCCTCAATGTTGGCAAT
GCCACCAATGTGATCTTCTCCAGGTGCCGGATGAGATGTTTATGACTGCTGAAATGGGACAATTCGA
GTATGGGAATTGGATCTTCAAATAGAAAAATCTGGCCAACTGAGTGCCAAACAGGACAGTTGAAAAGA
ATAGTCATGAGTATTGGAGTGGATGATGATAGCTTTTCTACCTTGGCACCAGCTGGAGATATT
CTAAAAATGAACCCAGGACTAACTGCTGACAGATGTTGGCCTGCGAAGGACAAATTCAGTTTGGGA
GTGTCAGCTATCAGGTGCCTGAAGATGGGGGTTTGTGGTGGGCTCTGGAGCCGACTGCTGGTCTTC
TGTAAGGCCCTGGCTACAAACCATCAAGAAGATTCAAGTACAAGGCGGCATCACTTCTATCACACTT
CGAGGAGAAGGACACAGTTTCTCGTAGGAACAGAGAATCGCACATTTATCGTGTGAGCTTCACGGAT
TTCAAAGAGACGCTCATAGCGACTTGTCACTTTGATGCTGTCGAGGATATTGCTTTCCATTTGGCACT
GCTGAGCTATTTGCAACCTGTGCCAAGAAGGATATCAGGGTGTGGCACACATCATCCAACAGGGAGCTG
CTGCGGATCACCGTGCCCAACATGACCTGCCACGGCATCGACTTCATGAGGGACGGCAAAAGCATCATT
TCAGCATGGAACGACGGTAAATCCGAGCCTTCGCCCCAGAGACAGGCCGACTGATGTATGTCATTAAC
AATGCTCAGGATCGGCGTCACCGCCATCGCCACCACAGTACTGTAAAAGGGTCATCAGTGGCGGT
GGGAAGGGGAGGTGAGGGTATGGCAGATAGGCTGTGAGCCAGAAAGCTGGAGGAGGCCCTGAAGGAA
CACAAGTCATCAGTGTCTGCATTAGGGTGAAGAGGAACAACGAGGAGTGTGTCACCGCCAGCAGCAT
GGGACTTGATATCATTGGGACCTTGTGCGTCTCAGGAGGAATCAGATGATACTAGCCAACACCTTATTC
CAGTGTGTGCTATCACCTGAGGAGTCCAGATCATACCAGCGGAACAGACAGAAAGATTGCTTAC
TGGAAGTATTTGATGGGACAGTAATCAGAGAATTGGAAGGTTCCCTGTCTGGGTCGATAAATGGCATG
GATATCACACAGGAAGGGGTGCACTTTGTACAGGTGGAATGACCATCTGGTCAAAGTTTGGGATTAT
AATGAGGGTGAAGTACTCACGTTGGGGTGGGACAGTGGCAACATCACACGCATCCGCATAAGTCCA
GGAAATCAATATATTGTAGTGAAGTGCCGATGGAGCCATTTGCGATGGAAGTACCCATATACCTCC
TGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGAT
TACAAGGATGACGACGATAAGGTTAAACGGCCGCGC
  
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Restriction Sites: SgfI-MluI

ACCN: NM_001080556

Insert Size: 1659 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).

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.

RefSeq: [NM_001080556.1](#)

RefSeq Size: 2003 bp

RefSeq ORF: 1659 bp

Locus ID: 146845

UniProt ID: [Q8N1V2](#)

Cytogenetics: 17p13.1

MW: 61 kDa

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 (3) lacks an in-frame exon in the 5' coding region, compared to variant 1, which results in a shorter protein (isoform C), compared to isoform B.