

Product datasheet for **SC328046**

WDR6 (NM_018031) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	WDR6 (NM_018031) Human Untagged Clone
Tag:	Tag Free
Symbol:	WDR6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC328046 representing NM_018031. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC**CGGATCGCC**
ATGGGCAGCGCGCGCTGGGAAGGCTCGTTCTCGCGAGAGTTCAGCTCCCTTCTAGCCGTGGCTGC
CTCAGCACCTCGAGGATCGACATGGACGCTCTCGAGGACTACGTTTGGCCGCGGGCAACCTCGGAGCTT
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TATCTTATCCATGGCTTCCGGGTACGGCCAGAGCCTAATGGAGACCTTGACTTGGAGGCCATGGTGGCT
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GCCCTGGGCCACAACCTCAGTGGTGTATATGACCTGTAGTAGGGTGCATCCTGCAAGAGGTGCCCTGC
ACAGACAGGTGCACCCTCTCTCAGCCTGCCTGATTGGAGACGCCTGGAAGGAGCTGACCATAGTGGCA
GGTGTGTTTCCAACAGCTCTTGGTCTGGTACCCAGCAACTGCCTTAGCAGACAACAACTGTAGCA
CCTGACCGACGAATCAGTGGGCATGTGGGCATCATCTCAGCATGTCATACCTGGAAGCAAGGGATTG
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TTGTGTAAGGAACGTTGTGGTACCTGCTGCCCGCAAGCAAGCAGAGATGGCACACATGCAGTGCCTTC
CTACCCCGAGGTGACTTCTGGTGTGTGGTGACCGCCGGGGCTCTGTGCTGCTATTCCCCTCCAGACCA



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GGTCTGCTCAAGGACCTGGGGTGGGAGGCAAGGCTCGGGCTGGTGTGGGGCACCTGTAGTGGGTAGT
GGTAGTAGTGGGGGTGGGAATGCTTTCAGTGGGTGGGCCAGTGTCTACCCTGCCCTCTCTGCACGGG
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GACCGGCAACGCAATCGGCATCGGATGGTTAAGGTAGACCCAGAGACCAGGTACATGTCCCTTGCTGTG
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ACTGATGGCAGCCTGGCTTCTGGGATCTCACCACCATGTAGACCATGACTCCACTGTCTGGAGCCT
CCAGTGGATCCTGGGCTTCCCTACCGGCTTGGCACCCCTCCCTGACTCTCCAGGCCCACAGCTGTGGT
ATCAACAGCCTGCACACCTTGCCACCCGTGAGGGCCACCATCTCGTGGCCAGTGGCAGTGAAGATGGA
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AAGATCCTAAGCCCAAGCATCATGGTCTCAGCCTCCATTGATCAACGGCTGACCTTCTGGCGTCTGGGG
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CCTGTGAGCCCTGAGTTTGGCCACCGTTGTGCCCTGGGGGTGAGGGCTTGAAGTTTAACTGGTAT
GACTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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Restriction Sites:	Sgfl-MluI
ACCN:	NM_018031
Insert Size:	3456 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_018031.4

RefSeq Size: 4415 bp

RefSeq ORF: 3456 bp

Locus ID: 11180

UniProt ID: Q9NNW5

Cytogenetics: 3p21.31

Domains: WD40

MW: 125 kDa

Gene Summary: This gene encodes a member of the WD repeat protein family. WD repeats are minimally conserved regions of approximately 40 amino acids typically bracketed by gly-his and trp-aspartate (GH-WD), which may facilitate formation of heterotrimeric or multiprotein complexes. The encoded protein interacts with serine/threonine kinase 11, and is implicated in cell growth arrest. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Feb 2016]

Transcript Variant: This variant (1) encodes the longest isoform (1). CCDS Note: The coding region has been updated to shorten the N-terminus, using a start codon that is better supported by conservation data, ribosome profiling, and peptide data.