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Product datasheet for SC120132

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:	None
Vector:	pCMV6-XL4
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_018031, the custom clone sequence may differ by one or more nucleotides

ATGGGCAGCGCGGCGCGCTGGGAAGGCTCGTTCTCGCGAGAGTTCAGCTCCCTTCTTAGCCGTGGCTGCC
TCAGCACCTCGAGGATCGACATGGACGCTCTCGAGGACTACGTTTGGCCGCGGGCAACCTCGGAGCTTAT
ACTCCTCCCAGTGACGGGTCTGGAGTGCGTGGGGGACCGGCTGTTGGCGGGTGAGGGTCCCGATGTCCTG
GTGTACAGCTTGGACTTTGGTGGGCATCTGCGGATGATAAAGCGAGTGCAGAACCTGCTTGGCCACTATC
TTATCCATGGCTTCCGGGTACGGCCAGAGCCTAATGGAGACCTTGACTTGGAGGCCATGGTGGCTGTGTT
TGGAAGCAAGGGACTCCGAGTTGTGAAAATTAGCTGGGGACAGGGCCACTTCTGGGAGCTTTGGCGCTCT
GGCCTGTGGAACATGTCTGACTGGATTTGGGATGCACGCTGGCTTGAGGGAAATATAGCCTTGGCCCTGG
GCCACAACTCAGTGGTGCTATATGACCCTGTAGTAGGGTGCATCCTGCAAGAGGTGCCCTGCACAGACAG
GTGCACCCTCTCTTCAGCCTGCCTGATTGGAGACGCCTGGAAGGAGCTGACCATAGTGGCAGGTGCTGTT
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GAATCAGTGGGCATGTGGGCATCATCTTCAGCATGTCATACCTGGAAAGCAAGGGATTGCTGGCTACAGC
TTCAGAAGACCGAAGCGTTCGTATCTGGAAGGTGGGCGACCTGCGAGTGCCTGGGGGTCGGGTGCAGAAT
ATTGGGCACTGCTTTGGGCACAGCGCCCGTGTGTGGCAGGTCAAGCTTCTAGAGAATTACCTTATCAGTG
CAGGAGAGGATTGTGTCTGCTTGGTGTGGAGCCATGAAGGTGAGATCCTCCAGGCCTTTCGGGGACACCA
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GGCATTCGGCTGTGGCACTTGGTAGGGCGTGGGTACCGGGGATTGGGGGTCTCGGCTCTCTGCTTCAAGT
CCCGTAGTAGGCCAGGTACACTCAAGGCTGTGACTCTGGCTGGCTCTTGGCGACTGCTGGCAGTGACTGA
TACAGGGGCCCTGTATCTCTATGACGTCGAGGTCAAGTGCTGGGAGCAGCTGCTAGAGGATAAACATTTC
CAGTCCTACTGCCTGCTGGAGGCAGCTCCTGGTCCCGAGGGCTTCGGATTGTGTGCTATGGCCAATGGGG
AAGGTCGTGTCAAGGTTGTCCCCATCAACACTCCAACTGCTGCTGTGGACCAGACCCTGTTTCCTGGGAA
GGTGCACAGCTTGAGCTGGGCCCTGCGTGGTTATGAGGAGCTCCTGTTGCTGGCATCGGGCCCTGGCGGG
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ACCTGCTGCCCCCAAGCAAGCAGAGATGGCACACATGCAGTGCCTTCCTACCCCCAGGTGACTTCCTGGT
GTGTGGTGACCGCCGGGGCTCTGTGCTGCTATTCCCCTCCAGACCAGGTCTGCTCAAGGACCCTGGGGTG
GGAGGCAAGGCTCGGGCTGGTGCTGGGGCACCTGTAGTGGGTAGTGGTAGTAGTGGGGGTGGGAATGCTT

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TCACTGGGTTGGGCCCAGTGTCTACCCTGCCCTCTCTGCACGGGAAGCAGGGTGTGACCTCAGTCACATG
CCATGGTGGCTATGTGTATACCACAGGGCGTGATGGAGCCTACTACCAGCTGTTTGTACGAGACGGCCAG
CTCCAGCCAGTCCTAAGGCAGAAGTCCTGTCGAGGCATGAACTGGCTAGCTGGGCTCCGTATAGTGCCCG
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TGACTCTCCAGGCCCACAGCTGTGGTATCAACAGCCTGCACACCTTGCCCACCCGTGAGGGCCACCATCT
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GCTGACCTTCTGGCGTCTGGGGCATGGTGAACCCACCTTCATGAATAGCACTGTGTTCCATGTGCCTGAT
GTGGCTGACATGGACTGCTGGCCTGTGAGCCCTGAGTTTGGCCACCGTTGTGCCCTTGGGGGTCAGGGGC
TTGAGGTTTACAACTGGTATGACTGA

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_018031 unedited
NTGTTCAAATTTTGTAATACGAACTCACTATAGGGCGGCCGCGAATTCGCACGAGGCTCC
CTTCTTAGCCGTGGCTGCCTCAGCACCTCGAGGATCGACATGGACGCTCTCGAGGACTAC
GTTTGGCCGCGGGCAACCTCGGAGCTTATACTCCTCCCAGTGACGGGTCTGGAGTGCGTG
GGGGACCGGCTGTTGGCGGGTGAGGGTCCCGATGTCCTGGTGTACAGCTTGGACTTTGGT
GGGCATCTGCGGATGATAAAGCGAGTGCAGAACCTGCTTGGCCACTATCTTATCCATGGC
TTCCGGGTACGGCCAGAGCCTAATGGAGACCTTGACTTGGAGGCCATGGTGGCTGTGTTT
GGAAGCAAGGGACTCCGAGTTGTGAAAATTAGCTGGGGACAGGGCCACTTCTGGGAGCTT
TGGCGCTCTGGCCTGTGGAACATGTCTGACTGGATTTGGGATGCACGCTGGCTTGAGGGA
AATATAGCCTTGGCCCTGGGCCACAACTCAGTGGTGCTATATGACCCTGTAGTAGGGTGC
ATCCTGCAAGAGGTGCCCTGCACAGACAGGTGCACCCTCTCTTCAGCCTGCCTGATTGGA
GACGCCTGGAAGGAGCTGACCATAGTGGCAGGTGCTGTTTCCAACCAGCTCTTGGTCTGG
TACCCAGCAACTGCCTTAGCAGACAACAAACCTGTAGCACCTGACCGACGAATCAGTGGG
CATGTGGGCATCATCTTCAGCATGTCATACCTGGNAAAGCAGGGATTGCTGGCTACAGCT
TCAGAAGACCGAAGCGTTCGTATCTGGGAAGGTGGGCGACCTGCGAGGCCCGGGGGGTCG
GGTGCAGAATATTGGGCACTGCTTTTGGCACAGCGCCCGTGTGTGGCAGGTTCAGCTTCT
AGAGAATACCTTAT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_018031 unedited
CTCCTCTTTCTTTTTCTGGCCTGGGGCACAAGAGCAAGNGNAGGGCCAGTGACTCAGTCT
CTGTCTCTAGATATGCAAGTTCCTGGTACAGCTCAGCATGGATTTCAGCTCCTACTACAA
CCGGGTACACATCCTGGGGGTGAGCACACAGCAAAACGGGGTGGGACGTGCAGAGAGGTA
TAGGGTAAAGGCAAAGGAAGCAGAGGATGAGACCAGCAGGCCCTTTCTCTTTCAGGAGCC
TCGACCACACCTCTTTGGTCAGATGTTCGTCCGCCTGCAGCTTCTGAGAGCTGTGCGTGA
GGTGCTCCATACTGGCCTGGCTATGCTGGGTCTCCCTCCACTGAGCCACATTTAAGGCCA
CAGAGGCTCCAATACCTGGGAATGTTCACAAAGTCATCAACTGGAAAAAAAGCAAAAACC
CACGGCCAAAATAAATTGGTACTGTTTGTTACAAAGTTCTGTCTTGTCATGGGGAGTCGG
GCATATTCTTGGCAGCACTCCACTCACCTTCAGCTCCTGCACCGACATCAGGAACCCACG
GNCACCACCTTCTCCCCTCAAGGCATGCTGAGCATGGGCACAGACAGCCCTTCCCTGCTC
CATGCTGTCTGTGAGCAGGCCCCATGCCCAGCACGCCAGCCACCGCAGGATACCTCAGTC
ATACCAGTTGTAAACCTCAAGCCCCTGACCCCCAAGGGCACAACGGTGGCCAAACTCAGG
GCTCACAGGCCAGCAGTCCATGTCAGCCACATTTGGCACATGGAACACAGTGCTATTTAT
GAAGGTTGGTTCACCATGCCCCAGAAGCCAAATGGTTACCCGCTGATCAATGGAGGCTGA
AAACTGATGCTTGGGCTTAGCATCTTGAGGCCTGGCACATGGCAGCACGGGCACGGGGAC
AGAATACTTCTTTAAACCACCAGTTGGGTCCACAGCAAGCTGTTCCAAGTTTTTTTTATG
TAAAACTTCCCAGCAGGACAAAGATTG

Restriction Sites: NotI-NotI

ACCN: NM_018031

Insert Size: 4620 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: NM_018031.2, NP_060501.2

RefSeq Size: 4273 bp

RefSeq ORF: 3366 bp

Locus ID: 11180

UniProt ID: Q9NNW5

Cytogenetics: 3p21.31

Domains: WD40

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-asp (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.