

Product datasheet for SC110220

WDR5 (NM_017588) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	WDR5 (NM_017588) Human Untagged Clone
Tag:	Tag Free
Symbol:	WDR5
Synonyms:	BIG-3; CFAP89; SWD3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC110220 sequence for NM_017588 edited (data generated by NextGen Sequencing)

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ATGGCGACGGAGGAGAAGAAGCCTGAGACCGAGGCCGCCAGAGCACAGCCAACCCCTTCG
TCATCCGCCACTCAGAGCAAGCCTACACCTGTGAAGCCAAACTATGCTCTAAAGTTCACC
CTTGCTGGCCACACCAAAGCAGTGTCTCCGTGAAATTCAGCCCGAATGGAGAGTGGCTG
GCAAGTTCATCTGCTGATAAACTTATTAATAATTTGGGGCGGTATGATGGGAAATTTGAG
AAAACCATATCTGGTCACAAGCTGGGAATATCCGATGTAGCCTGGTCGTGAGATTCTAAC
CTTCTTGTCTGCCTCAGATGACAAAACCTTGAAGATATGGGACGTGAGCTCGGGCAAG
TGTCTGAAAACCTGAAGGGACACAGTAATTATGTCTTTTGTGCAACTCAATCCCGAG
TCCAACCTTATTGTCTCAGGATCCTTTGACGAAAGCGTGAGGATATGGGATGTGAAAACA
GGGAAGTGCCTCAAGACTTTGCCAGCTCACTCGGATCCAGTCTCGGCCGTTCAATTTAAT
CGTGATGGATCCTTGATAGTTTCAAGTAGCTATGATGGTCTCTGTGCGATCTGGGACACC
GCCTCAGGCCAGTGCCTGAAGACGCTCATCGATGACGACAACCCCCCGTGTCTTTTGTG
AAGTTCTCCCCGAACGGCAAATACATCCTGGCCGCCACGCTGGACAACACTCTGAAGCTC
TGGGACTACAGCAAGGGGAAAGTGCCTGAAGACGTACACTGGCCACAAGAATGAGAAATAC
TGCATATTTGCCAATTTCTGTACTGGTGGGAAAGTGGATTGTGTCTGGCTCAGAGGAT
AACCTTGTTCATCTGGAACCTTACAGACGAAAGAGATTGTACAGAACTACAAGGCCAC
ACAGATGTCGTGATCTCAACAGCTTGTACCCCAACAGAAAACATCATCGCCTCTGCTGCG
CTAGAAAATGACAAAACAATTAACCTGTGGAAGAGTGACTGCTAA

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Clone variation with respect to NM_017588.2
24 c=>t



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_017588 unedited</p> <pre> NGGTTACATTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGCACCAGGCTGAGTC CGCGCTCCCGCCAGCGGCGGCCGACGCGACGCCCCGAGCGCCCCGCCCGCCGCGG CCCGGCAGACTGCCTCTGTACCAGGTCCTCCACCCCTTGTCTCCTGTGCGGCCAGCGTC AGAGCCATGGCGACGGAGGAGAAGAAGCCTGAGACCGAGGCCGCCAGAGCACAGCCAACC CCTTCGTATCCGCCACTCAGAGCAAGCCTACACCTGTGAAGCCAACTATGCTCTAAAG TTCACCCCTTGTGCGCCACACCAAAGCAGTGTCTCCGTGAAATTCAGCCCGAATGGAGAG TGGCTGGCAAGTTCATCTGCTGATAAACTTATTAATAATTTGGGGCGCGTATGATGGGAAA TTTGAGAAAACCATATCTGGTCACAAGTGGAATATCCGATGTAGCCTGGTCGTGAGAT TCTAACCTTCTTGTCTGCCTCAGATGACAAAACCTTGAAGATATGGGACGTGAGCTCG GGCAAGTGTCTGAAAACCTGAAGGGACACAGTAATTATGTCTTTTGTGCAACTTCAAT CCCCAGTCCAACCTTATTGTCTCAGGATCCTTTGACGAAAGCGTGAGGATATGGGATGTG AAAACAGGGGAAGTGCCTCAAGACTTTGCCAGCTCACTCGGATCCAGTCTCGGCCGTTCA TTTTAATCGTGATGGATCCTTGATAGTTTCAAGTAGCTATGATGGTCTCTGTCGCATCTG GGACACCGCCTCAGGCCAGTGCCTGAGACGCTCATCGATGACGACAACCCCCCGTGTCT TTTTGTGAAGTCTCCCCGAACGCCAAATACATCTGGCCGCCACGCTGGGACACACTCT GAAGC </pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_017588 unedited</p> <pre> CAGTTTTAATCTTTTTTTTTTAAAAAACTGAAATTTTTTATTTTCAAAAAGAAGTATTTT TACATAAATCTACAACAGAATTCAAATGTAGAAAAATAAACTATATTCAGGGATACAGC GCTCAGCACAGCACACCCCTCCCGGAGTGGGCCGTCCCCCAGAACAAGACTGAAGGG GCCTCGCCGGCCCAAGACCCACAGCAGGGCAGCCACAGGCTGGCACGCGGAGCTCCC CGTGTCTGTACAACAGACTGCAAAATGCGAGGCGCCAGACCCTGAGCGTGAAGACAAA AACCAACCCATTTTCACTGTGGCAACTCACTTCTTAGTGCAAGTCACTCATCCGTACACC TCATCGGAAAACAGAGGGGAGGGGAAACCACAGGATATACATCTCCAGATGCCTCAGATA ATCCCCTCCTACCCCTGCCACTCGAGGACCTCCAGGAGAGCCACCTGACAAAACCCCC GCTTCTCCTCGGGCCGGTGCAACCAAAAACCTGCAGGATTATCCAGGACTCCAGGCC TGAGAAAGGCAGAGCTGGCTGAGCTCCCCAGGACTCCAGGCCCTGAGAGAGGCAGAGCT GGCTGGGCTCCGGNGCCAGGGCCCTCTGTAGACCAGGACCAAGCTGGCTTCCCAGAGC ATCACAGCCCCAAAGCCCTGCCCGTGGGACAGACCCAGGCACCTGTGCCCTCAGCCACC CTGCTCCGCCCTCACTGTGTGTGGGACCCCTCNACACACTGTCTNCATGGGCAGGTTTCA GTTNCAGCCTCGCTCCCCAGAGGCTCCCGCTCGGCCCTGCTGGTAACTGCTGTTGCAGT GAGCACCGG </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_017588
Insert Size:	3500 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_017588.2 , NP_060058.1
RefSeq Size:	3163 bp
RefSeq ORF:	1005 bp
Locus ID:	11091
UniProt ID:	P61964
Cytogenetics:	9q34.2
Domains:	WD40
Protein Families:	Druggable Genome
Gene Summary:	<p>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. Members of this family are involved in a variety of cellular processes, including cell cycle progression, signal transduction, apoptosis, and gene regulation. This protein contains 7 WD repeats. Alternatively spliced transcript variants encoding the same protein have been identified. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (1) represents the longer transcript. The two variants encode the same protein.</p>