

Product datasheet for SC115710

WDR45 (NM_007075) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	WDR45 (NM_007075) Human Untagged Clone
Tag:	Tag Free
Symbol:	WDR45
Synonyms:	JM5; NBIA4; NBIA5; WDRX1; WIPI-4; WIPI4
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC115710 sequence for NM_007075 edited (data generated by NextGen Sequencing)

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ATGACTCAACAGCCACTTCGAGGAGTGACCAGCCTGCGTTTCAACCAAGACCAAAGCTGC
TTTTGCTGCGCCATGGAGACAGGTGTGCGCATCTACAACGTGGAGCCCTTGATGGAGAAG
GGGCATCTGGACCACGAGCAGGTGGGCAGCATGGGCTTGGTGGAGATGCTGCACCGCTCC
AACCTTCTGGCCTTGGTGGGCGGTGGTAGTAGTCCCAAGTTCTCAGAGATCTCAGCAGTG
CTGATCTGGGACGATGCCCGGGAGGGCAAGGACTCCAAGGAGAAGCTGGTGTGGAGTTC
ACCTTCACCAAGCCAGTGTCTTCTGTGCGCATGCGCCATGACAAGATCGTGATCGTGCTG
AAGAACC GCATCTATGTGTACTCCTTCCCCGACAATCCCCGAAAGCTGTTTGAGTTTGAT
ACCCGGGACAACCCCAAGGGCTCTGTGACCTCTGCCCCAGCCTGGAGAAGCAACTGCTA
GTGTTCCCGGGACACAAGTGTGGGAGTCTGCAACTTGTGGACCTGGCGAGCACAAAGCCT
GGCACCTCGTCTGCTCCATTCACGATCAATGCACATCAGAGTGACATAGCCTGTGTGTCT
CTAAACCAGCCAGGCACTGTAGTGGCCTCAGCCTCCCAGAAAGGTACCCTTATTCGCCTC
TTTGACACACAATCCAAGGAGAACTGGTGGAGCTGCGCCGAGGCACTGACCCTGCCACC
CTCTACTGCATTAACCTCAGCCACGACTCCTCCTTCTCTGCGCTTCCAGTGATAAGGGT
ACTGTCCATATCTTTGCTCTCAAGGATACCCGCCTCAACCGCCGCTCCGCGCTGGCTCGC
GTGGGCAAGGTGGGGCCTATGATTGGGCAGTACGTGGACTCTCAGTGGAGCCTGGCGAGC
TTCAGTGTGCCTGCTGAGTCAGCTTGCATCTGCGCCTTCGGTTCGCAATACTTCCAAGAAC
GTCAACTCTGTCAATTGCCATCTGCGTAGATGGGACCTTCACAAAATATGTCTTACTCCT
GATGGAAACTGCAACAGAGAGGCTTTCGACGTGACCTTGACATCTGTGATGATGATGAC
TTTTAA

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Clone variation with respect to NM_007075.3



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_007075 unedited
 TTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGGAGGAACCCCTTC
 GCCTCCGGTCCCCAGCCAACCTTCTCCGCTCCCCGCGCCCTCCCGGAGAACCCCACT
 GTCACGCGGATGCTCCGAAGACCCGGAACTAGGCGAGGAAGGCGGTGGCCGCTTTTT
 CCAGCTGGGAGGAACAATCCTGCACCATGACTCAACAGCCACTTCGAGGAGTGACCAGCC
 TGCGTTTTCAACCAAGACCAAAGCTGCTTTTGTGCGCCATGGAGACAGGTGTGCGCATCT
 ACAACGTGGAGCCCTTGATGGAGAAGGGGCATCTGGACCACGAGCAGGTGGGCAGCATGG
 GCTTGGTGGAGATGCTGCACCGCTCCAACCTTCTGGCCTTGGTGGGCGGTGGTAGTAGTC
 CCAAGTTCTCAGAGATCTCAGTGCTGATCTGGGACGATGCCCGGAGGGCAACGACTCCA
 ATGAGAAGCTGGTGTGGAGTTCACCTTACCAAGCCAGTGCTTTCTGTGCGCATGCGCC
 ATGACAAGATCGTGATCGTGCTGAAGAACCGCATCTATGTGACTCCTTCCCGACAATC
 CCCGAAAGCTGTTTGAGTTTGATACCCGGGACAACCCCAAGGGGCTCTGTGACCTTGCC
 CCAGCCTGGAGAAGCAACTGCTAGTGTTCCCGGACACAAGTGCGGGAGTCTGCAACTTG
 TGGACCTGGCGAGCACAAGCCTGGCACCTCGTCTGCTCCATTACAGATCAATGCACATC
 ACAGTGACATAGCCCTGTGTCTCTTAAACAGNNCAGCACTGTAGTGGCCTCAGACTTC
 CAAAGGTACCCTNATCAACTTTGCACACATCCAAGGAGAN

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_007075 unedited
 GGGGTTTTGGCGCTTCTTACTCGATTGCTCACACAGNGTACATCTCCTGCCTCAGCAA
 GCTTTTAAAAAATCCCCATGTTGGATTATGGCACTCCCTCTGGGTGCATGCCTATTTCT
 CCAGTTACGGATCCCAAGGTCGCTGACTTCTGGGTCTCTGGCTAGCCCTTGGGGCAC
 ACAGTCATCAACAAATGCTGGGGGAAGTGAAGTCTTTATTTAAACATAACTCTGCTGAG
 TGGAAAGTGGGCACCAGCCCATTAATGCTTGCTGGCTGGAGGCTTCCAAGCACGCCCCA
 CTGCCAAAGCTAGCTCTGCATTCTGCTACTGCAGGCTCCTAGCACAGCCCCAGCGTCC
 TAAAAAGTCATCATCATGACAGATGTCAACGTACACATCGAAAGCCTCTCTGTGGCATT
 TCCATCACGAGTGAAGACATATTTGCGGAATGACCCATCTACACATATGGCAATGACACA
 TTTGACATGACTGAAGCATCGCAACCGACTGCGCATATGCAAGCTGACTCATCACGCAC
 AGAGAAGCTCGCCAGGCTCCACTGAGAGTCCACGTAAGTACCAGTACATACGCCACACCT
 GCCCACTCGAGCCATCTCGAAGCGGCGGTTGATGCGGGTATACCTGAGAGCAAATATGG
 ACAGTACCCTTATCACTGGATGCTCACACGTATGTCGACTCGTGGCTGCAGTTAATGCAA
 TCTAGGGCGGCAGGGCTATTGCCTCAGCACATGCTCACCAGACTCATCATCGGACTCGTG
 TGTCAAAGATGCCAACATGACTACACCTGCTGCGATGCTAGAGACCACTACAGAGTCTAG
 AGCTGCGTGATACACACACGCTCATGTCACTCTGCATGAGCATCGCATCGTGCAACGG
 GAGGTACGATGCGACATGTCGTATCCGCTCTCCTAGC

Restriction Sites:

NotI-NotI

ACCN:

NM_007075

Insert Size:

2440 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_007075.3](#), [NP_009006.2](#)

RefSeq Size: 1925 bp

RefSeq ORF: 1086 bp

Locus ID: 11152

UniProt ID: [Q9Y484](#)

Cytogenetics: Xp11.23

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. Members of this family are involved in a variety of cellular processes, including cell cycle progression, signal transduction, apoptosis, and gene regulation. This gene has a pseudogene at chromosome 4q31.3. Multiple alternatively spliced transcript variants encoding distinct isoforms have been found for this gene, but the biological validity and full-length nature of some variants have not been determined. [provided by RefSeq, Jul 2008]
Transcript Variant: This variant (1) represents a longer transcript and encodes a longer isoform (1).