

Product datasheet for **SC321010**

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:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_007075.3
 GGCTCCCACCACTGCCTCGTGTGGGGTTGTTCCGCCGTGAAGGGGCAGGACAGGGTGC
 GCGCTGGTGGAGGTTGAAATTGTTACATTTTGGCCGGGCGCGGTGGCTCACGCCTGTAAT
 CCCAGCACTTTGGGAGGCCGAGGCGAGGTGGATCGCGAGGTCAGGAGATCGAGACCATCCT
 GGCTGGCACGGTAAAACCCCGTCTCTACTAAAAAATGCAAGGAATCGGCCGGCGTGGT
 GAGGGGCGCCTGTGGTCCCAGCTGCTCGGGAGGCTGAGGCAGGAGGATGGCGTGAACCCG
 GGAGCGGAGCTTGCACTGAGCCGAGATCGGCCAGTGCCTCCAGCCTGGGCGACAGAG
 CGAAACTACGTCTCAAAAAAAAAAAAAAAAAAGAAAGAAAAGAAATTGTTACATTTTATATAT
 ATAGGAAACAATCCTGCACCATGACTCAACAGCCACTTCGAGGAGTGACCAGCCTGCGTTT
 CAACCAAGACAAAGCTGCTTTTGTGCGCCATGGAGACAGGTGTGCGCATCTACAACGT
 GGAGCCCTTGATGGAGAAGGGGCATCTGGACCACGAGCAGGTGGGCGCATGGGCTTGGT
 GGAGATGCTGCACCGCTCAACCTTCTGGCCTTGGTGGGCGGTGGTAGTAGTCCCAAGTT
 CTCAGAGATCTCAGCAGTCTGATCTGGGACGATGCCCGGAGGGCAAGGACTCCAAGGA
 GAAGCTGGTGCTGGAGTTCACCTTACCAAGCCAGTGCTTCTGTGCGCATGCGCCATGA
 CAAGATCGTGATCGTGCTGAAGAACCGCATCTATGTGTACTCCTTCCCCGACAATCCCCG
 AAAGCTGTTTGTGTTGATACCCGGGACAACCCCAAGGGGCTCTGTGACCTCTGCCCCAG
 CCTGGAGAAGCAACTGCTAGTGTCCCGGGACACAAGTGTGGGAGTCTGCAACTGTGGA
 CCTGGCGAGCACAAAGCCTGGCACCTCGTCTGCTCCATTCACGATCAATGCACATCAGAG
 TGACATAGCCTGTGTGCTCTAAACCAGCCAGGCACTGTAGTGGCCTCAGCCTCCAGAA
 GGGTACCCTTATTCGCCTCTTTGACACACAATCCAAGGAGAACTGGTGGAGCTGCGCCG
 AGGCACTGACCCTGCCACCCTCTACTGCATTACTTCAGCCACGACTCCTCCTTCTCTG
 CGTTCAGTGATAAGGGTACTGTCCATATCTTTGCTCTCAAGGATACCCGCCTCAACCG
 CCGTCCGCGCTGGCTCGCGTGGCAAGGTGGGGCTATGATTGGGCGAGTACGTGGACTC
 TCAGTGGAGCCTGGCGAGCTTCACTGTGCCTGCTGAGTCAGCTTGATCTGCGCCTTCGG
 TCGCAATACTTCCAAGAACGTCAACTCTGTATTGCCATCTGCGTAGATGGGACCTTCCA
 CAAATATGCTTCACTCCTGATGGAAACTGCAACAGAGAGGCTTTCGACGTGTACCTTGA
 CATCTGTGATGATGACTTTTAAAGACCCTGGGGGCTGTGCTAGGGACCTGCAGTGGC
 AGAACTGCAGAGCTGAGCCTTGGCAGTGGGGCTGCTTGGAAAGCCACCAGCCAGCAAGCA
 TTAATGGGGCTGGTGCCTTCCACTCAGCAGAGCTATGTCTAAATAAAGAGCTCACT
 TCCCCCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

- Restriction Sites:** Please inquire
- ACCN:** NM_007075
- 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_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).