

Product datasheet for **SC319621**

WDR91 (NM_014149) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	WDR91 (NM_014149) Human Untagged Clone
Tag:	Tag Free
Symbol:	WDR91
Synonyms:	HSPC049; SORF-1; SORF1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF: >OriGene sequence for NM_014149.2
 GATGGCGGAGGCCGTGGAGCGCACTGACGAGCTGGTCCGGGAGTACCTGCTCTTCCGCGG
 GTTCACGCACACACTGCGGCAGCTGGACGCCGAGATCAAGGCGGACAAGGAGAAGGGTT
 CCGGGTGGATAAGATTGTGGACAGCTGCAGCAGTTAATGCAGGTGTATGACTTGCTGC
 CCTTCGGGATTATTGGAGCTACTTGGAGCGTCGGCTCTTCAGCCGCTTGGAGGATATATA
 CAGACCCACAATCCACAAGCTGAAAACAGCCTGTTTCGATTTTATCTTGTCTACACAAT
 CCAGACAAACAGAAATGACAAGGCTCAGGAGTTCTTTGCAAAGCAGGCCACGGAATCCA
 GAACCAAGCTGAGTGGAAGGATTGGTTTTGTCTGCCCTTCTGCCATCCCCGGACACCAA
 CCCCACCTTTGTACTACTTTTCTCGACAGTGGGCTGACACCTTCATTGTGTCCCTGCA
 CAACTTCTGAGCGTCTGTTTCAGTGCATGCCAGTCCCTGTGATCCTGAACTTTGATGC
 GGAGTGTGAGGAGTAACCAAGTTCAAGAAGAAAATGAAGTTCTGCGTCAGAAGCTTTT
 TGCATTGCAAGCTGAAATCCACCGACTGAAGAAAGAGGAGCAACAGCCAGAAGAGGAAGA
 GGCCTTGGTCCAACACAAATTGCCTCCTTATGTCTCCAACATGGACCGCTGGGGGACTC
 GGAATTGCCATGGTGTGACGCCAAAGGAATGCCTCCCTCTCCAGTCACCTCGTGTGGG
 CTTCTGTCTCGCTGTGCCTCAGAGTAAGAAGAGCCCCCTCAAGTTGTGCGCTGCTCA
 GGGCCCTCCTCAACCTCAGAGCTCGGCCAAGAAAGAGTCCTTCGGTGGTCAGGGCACAA
 GGGAAAGGACCCGACGTCCGGAGCCAAGGATGGGAAGAGCCTCCTCAGCGGGCTGGCCAC
 TGGGGAGTCCGGTTGGTCACAGCACCGGCAGCGCGCCTGCAGGACCATGGCAAGGAGAG
 GAAGGAGCTTTTCTCCACAACCACTTCCAGTGTGCAGAGAAGAAACCAGAAGCCAGTGG
 CCCAGAGGCTGAGCCCTGCCAGAGCTCCACACGGAGCCAGTGGAGCCACTGACTCGGGC
 ATCCTCGGCAGGCCCTGAGGGTGGAGGAGTCCGCCCCGAGCAGCCCTTTATTGTGCTGGG
 ACAGGAGGAGTACGGGGAACCACTCATCCATCATGCACTGCAGAGTGGACTGCTCTGG
 GAGGAGAGTCGCCAGCTTAGACGTAGATGGGGTCATCAAAGTGTGGTCTTCAACCCCAT
 CATGCAGACCAAAGCATCCTCCATTTCCAAATCACCGCTGCTGTCTTTGGAATGGGCCAC
 CAAACGGGACAGACTGCTCTGTGGGAGTGGTGTGGGAACAGTGCCTCTCTATGACAC
 GGAAGCCAAGAAGAATCTCTGTGAAATCAATATCAACGACAACATGCCAGAATCCTGTC
 TCTTGCCTGCAGCCCCAACGGGGCTCTTTCGTCTGTTCCGGCAGCAGCTCCGAGCCTCAC
 TTCCCAGGTGGACTTCTCAGCACCAGACATCGGCAGCAAGGGCATGAACCAGGTTCTCGG
 CAGGCTGTGCTGTGGGACACGAAAACCATGAAGCAGCAGCTCCAGTTCTCCCTGGATCC
 AGAACCCATTGCTATCAACTGTACAGCCTTCAATCACAACGGGAACCTGCTGGTCACAGG
 GGCAGCTGATGGCGTCATCCGGCTGTTTGACATGCAGCAGCATGAGTGCAGCATGAGCTG
 GAGGGCCCACTACGGGGAGGTCTACTCTGTGGAGTTCAGCTATGATGAGAACACCGTGTA
 CAGCATCGGCAGGACGGGAAGTTCATCCAGTGAACATCCACAAGAGTGGCCTCAAGGT
 ATCCGAGTACAGCCTCCCTCAGATGCCACGGGCCCCCTTTGTGCTGTCTGGATACAGCGG
 CTACAAGCAGGTTCAAGTCCCCAGGGGCGGACTCTTCGCTTTTGACTCGGAGGGAATTA
 CATGCTGACATGTTCTGCCACAGGCGGCGTCATCTACAAGCTGGGTGGCGATGAGAAGGT
 TCTGGAGAGCTGCTTGAGCCTAGGTGGCCACCGAGCCCCGTGGTCAACGTGGACTGGAG
 CACTGCCATGGACTGTGGGACCTGCCTCACCGCCTCCATGGATGGCAAGATCAAGCTGAC
 CACCCTCCTGGCCATAAAGCCTGATGACTTGCCCCAAGGGCCACCCGAGGAAGCAGTAT
 TATCTGCGGTGGGGGAGGAGATATAGGACAGGAAAACACGTGCTCCACTCCAGCTCCC
 TGCCAGTGCAGTACTCTGCAGGAAAGACTGGCAAGGAGGCTCAGGTGCTTCCATCTGT
 GGTGACTGGAATGGGACCCACGTGGAGTAGGTGACATATGCTTCCAGAGACTGGTATTG
 TGGCTGTGCCAGGAGTACATGTGAGACTATGGGAGGAAAGCTCCGGAAGAAGGAGAAACA
 TTGCAGTGGCTACTGTGTTGGCCAGTAGAAATTGACAGTATTTTGTATATATGTGCCCA
 TTTATCTTTTCTTTTTTAAAAAAGAGAATACTAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_014149

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:	<u>NM_014149.2</u> , <u>NP_054868.2</u>
RefSeq Size:	3179 bp
RefSeq ORF:	2244 bp
Locus ID:	29062
UniProt ID:	<u>A4D1P6</u>
Cytogenetics:	7q33
Domains:	WD40
Gene Summary:	Functions as a negative regulator of the PI3 kinase/PI3K activity associated with endosomal membranes via BECN1, a core subunit of the PI3K complex. By modifying the phosphatidylinositol 3-phosphate/PtdInsP3 content of endosomal membranes may regulate endosome fusion, recycling, sorting and early to late endosome transport (PubMed:26783301). It is for instance, required for the delivery of cargos like BST2/tetherin from early to late endosome and thereby participates indirectly to their degradation by the lysosome (PubMed:27126989). May play a role in meiosis (By similarity).[UniProtKB/Swiss-Prot Function]