

Product datasheet for **SC327201**

WDR81 (NM_001163673) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	WDR81 (NM_001163673) Human Untagged Clone
Tag:	Tag Free
Symbol:	WDR81
Synonyms:	CAMRQ2; HYC3; PPP1R166; SORF-2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001163673, the custom clone sequence may differ by one or more nucleotides

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ATGCTGGTCCGTGTAGTTCTCAGCCTGACACCGTCGTTCCCAGAACCCAGCGCGCTCTAT
ACAGCCTGCAAGATGGTCCGCTGGCTGTCTGCCAAGCTCGGCCCCACAGTGGCCTCTCGC
CACGTGGCCCGGAACCTGCTCCGCTGTGACGTCTTGTATGTTGGACCACTCGGCAG
CAGTTCACAGTGAGCAGTGGCGAGAGCCACCGCTGAGCGCCGGCAACATCTACCAGAAG
AGGCCGGTCTCTGGGCGACATCGTGTGAGGGCCTGTGCTCAGCTGCCTCCTCCACATCGCC
CGCCTGTATGGGAGCCTGTCTCACCTACCACTACCTGCCCTACATCAGCTACCTGGTG
GCCCCAGGGAGTGCCTCAGGCCCCAGCCGACTGAACAGCCGTAAGGAGGCGGGGTGCTG
GCCGCGGTGACGCTGACTCAGAAGATCATCGTGTACCTCTCAGACACCACACTCATGGAC
ATCCTGCCCCGGATCAGCCATGAGGTCCTGCTGCCCGTGTGCTCAGCTTCTCACCTCCCTC
GTCACGGGGTTCCCAAGTGGGGCCAGGCTCGGACCATCTGTGTGTGAAAACCATCAGC
CTCATCGCCCTCATCTGCCTGCGCATTGGACAGGAGATGGTCCAGCAGCACCTGAGCGAG
CCCGTGGCCACCTTTTTCCAGGTCTTCTCTCAGCTGCATGAGCTTCGGCAACAGGATCTG
AAGCTGGACCCTGCGGGCCGTGGTGAAGGCCAGCTGCCACAGGTGGTCTTCTCTGATGGG
CAGCAGCGGCCCGTGGACCCCGCCTGTGGACGAGCTGCAGAAGGTGTTACCCCTGGAG
ATGGCATACACAATCTACGTGCCCTTCTCTGCCTGTTGGGTGACATCATCCGAAAAATC
ATCCCCAACACGAGCTGGTTGGGGAGCTGGCGGCGCTGTAATGGAGAGCATCAGCCCC
AGCAGTCGCAACCCTGCCAGCGTGGAGCCACCATGCCCGGCACCGGGCCCGAGTGGGAC
CCCCATGGTGGGGGTGCCCTCAGGATGACGGCCACTCAGGGACCTTTGGGAGCGTCTGTG
GTGGGGAACCGCATTAGATCCCCAATGACTCTCGGCTGAGAACCCCGGACCACTGGGC
CCCATCTCGGGGTGGGTGGCGGGGGCTGGGCAGCGGGAGCGACGACAACGCCCTGAAG
CAGGAGCTGCCGCGGAGCGTGCACGGGCTGAGCGGAACTGGCTGGCGTACTGGCAGTAC
GAGATCGGCGTGAGCCAGCAGGATGCCCACTTTCACTTCCACAGATCCGCTGCAGAGC
TTCCCGGGCCACTCGGGGCGGTCAAGTGCCTGGCACCCCTAAGCAGCGAGGACTTCTTC
CTGAGCGGCAGCAAGGATCGTACCGTGCCTCTGGCCGCTGTACAACACGGCGACGGG
ACCAGCGAGACGGCCCCACGCTCGTCTACACCCAGCACCGCAAGAGCGTCTTCTTCGTG
GGCCAGCTTGAGGCCCCGACGACGTGGTGGTGTGACGGGGCTGTGCACGTCTGGGAC
CCCTTCACAGGGAAGACCCTTCGCACAGTGGAGCCGCTGGACAGCCGGGTGCCCTGACT
GCGGTGGCTGTATGCCCCCCCCACACAGCATCACCATGGCCAGCTCTGACTCTACC
CTGCGCTTTGTGGACTGCAGGAAGCCTGGTCTGCAGCACGAGTTCGACTGGGCGGTGGG
CTGAACCTGCGGTGTCCGTGCCCTGGCCATCAGCCCCAGTGGCCGTAGTGTCTGTGGCC
GGCTTCTCCTCAGGCTTCATGGTGTCTCTGGACACCCGACAGGCTGGTCTGCGAGGC
TGGCCAGCCACGAGGGGGACATTCTGCAGATCAAGGCGGTGGAGGGCAGCGTCTGGTC
AGCTCCTCCTCTGACATTCTTGACCGTCTGGAAGGAGCTGGAGCAGAAGCCACCCAT
CACTACAAGTCAGCATCCGACCCCATCCACACCTTTGACCTGTACGGCAGCGAGGTGGTC
ACTGGCACCGTGTCCAACAAGATTGGCGTCTGCTCCCTGCTTGAGCCACCCTCGCAGGCC
ACCACGAAGCTCAGCTCTGAGAACTTCCGCGGCACGCTCACCAGCCTGGCCTTGCTGCCC
ACTAAACGCCACCTCTGCTGGGCTCAGACAACGGGGTTATCCGCTCTCTGGCA

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Restriction Sites: Please inquire

ACCN: NM_001163673

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_001163673.1, NP_001157145.1</u>
RefSeq Size:	3184 bp
RefSeq ORF:	2217 bp
Locus ID:	124997
UniProt ID:	<u>Q562E7</u>
Cytogenetics:	17p13.3
Gene Summary:	This gene encodes a multi-domain transmembrane protein which is predominantly expressed in the brain and is thought to play a role in endolysosomal trafficking. Mutations in this gene are associated with an autosomal recessive form of a syndrome exhibiting cerebellar ataxia, cognitive disability, and disequilibrium (CAMRQ2). Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2017] Transcript Variant: This variant (3) differs in the 5' UTR, lacks a portion of the 5' coding region, and initiates translation at an alternate start codon, compared to variant 1. The encoded isoform (3) has a distinct N-terminus and is shorter than isoform 1.