

Product datasheet for **SC319616**

WDR85 (DPH7) (NM_138778) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	WDR85 (DPH7) (NM_138778) Human Untagged Clone
Tag:	Tag Free
Symbol:	WDR85
Synonyms:	C9orf112; RRT2; WDR85
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_138778.1
 GTCCCTGGGGCTCTGCGCTCGTCCGGCCGGCCCGGCCTCGCCGCCCCGCGCAGTACCCA
 GCCCGGCCCGCCGACCCGCCTCTACTGCCGGCTCCGCGCCCTTCCCCGAGGGCTGGATG
 ATGGGCTGTTTCGCCCTGCAAACGGTGGACACCGAGCTGACCGCGGACTCGGTGGAGTGG
 TGCCCCGTGCAAGGCTGCAGGCACCTGCTGGCGTGCGGGACCTACCAGCTGCGGCGGCCG
 GAGGACCGGCCTGCCGGCCCCAGAACAAAGGGTGAATGGAAGTTAAGGAGCCTCAGGTC
 CGTTTAGCCCGTCTTCTCTGTACAGTTCAATGACAACAACCTATTCCACCCCTTGCTG
 GAGGTCCAAAGAAAAGATACTTCTGCAATCCTGGACATGAAATGGTGTACATCCCGGTG
 GCTGGACATGCCCTCTTGGGCTTGGCAGATGCCAGTGGATCCATACAACCTGCTCCGCCTG
 GTGGAATCTGAGAAGAGCCACGTGCTGGAGCCATTGTCCAGCCTTGCCCTGGAGGAGCAG
 TGTCTGGCTTTGTCCCTAGATTGGTCCACTGGGAAAACCTGGAAGGGCCGGGGACCAGCCC
 TTGAAGATCATCAGCAGTGACTCCACAGGGCAGCTCCACCTCCTGATGGTGAATGAGACG
 AGGCCCAGGCTGCAGAAAGTGGCCTCATGGCAGGCACATCAATTCGAGGCCTGGATTGCT
 GCTTTCAATTACTGGCATCCAGAAATTGTGTATTCAGGGGGCAGCATGGCCTTCTGAGG
 GGCTGGGACACCAGGGTACCCGGCAAATTTCTCTTACCAGCAAAGACACACCATGGGT
 GTGTGCAGCATCCAGAGCAGCCCTCATCGGGAGCACATCCTGGCCACGGGAAGCTATGAT
 GAACACATCCTACTGTGGGACACACGAAACATGAAGCAGCCGTTGGCAGATACGCCTGTG
 CAGGGTGGGGTATGGAGAATCAAGTGGCACCCCTTCCACCACCACCTGCTCCTGGCCGCC
 TGCATGCACAGTGGCTTTAAGATCCTCAACTGCCAAAAGGCAATGGAGGAGAGGCAGGAG
 GCGACGGTCTGCATCTCACACATTGCCCGACTCGTGGTGTATGGAGCCGACTGGTCC
 TGGCTGCTTCCGTTCTCTGCAGCGGGCCCCCTCGTGGTCTTTCCTAGCAACCTAGGA
 ACCAAGACGGCAGACCTGAAGGGTGAAGCGAGTTGCCAACCCCTGTCATGAATGCAGA
 GAGGATAACGATGGGGAGGGCCATGCCAGACCCAGAGTGAATGAAGCCACTCACAGAG
 GGCATGAGGAAGAATGGCACCTGGCTGCAGGCTACAGCAGCCACCACACGTGACTGTGGC
 GTGAACCCAGAAGAAGCAGACTCAGCCTTCAGCCTCCTGGCCACCTGCTCCTTCTATGAC
 CATGCGCTCCACCTCTGGGAGTGGGAGGGGAACTGAGCTTGAATCATGAAGCCCCTTCC
 CACAAGGAAACCAGGAGGGAGACTGCGAGTGAGTGCCCGGGACCACCTCATCAGAGATGC
 TTAAGTGCAGCCCTGCAGGTGCCTGTGCACTGATGGAATCCACAGTGTAGTCAGAAAAGCT
 GTTGACTTCTCTAAATCAGCTTCCCTGCTGGGCCCTGAAAGTGGACTGGGTGATTCTG
 TCTGGCAGAGAGTGGGAAAAGACGCGGTTTCCAGCTTGCAGATTTGTTAAGTTTCTCAG
 GCAGATTTTGACTTTCAGCCTTTCATACTTGTGTTAAGCAACTATTTGTATTAATGAAGT
 TTTTTGAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_138778

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_138778.1](#), [NP_620133.1](#)

RefSeq Size: 1848 bp

RefSeq ORF: 1359 bp

Locus ID: 92715

UniProt ID: [Q9BTV6](#)

Cytogenetics: 9q34.3

Domains: WD40

Gene Summary: Diphthamide is a post-translationally modified histidine residue present in elongation factor 2, and is the target of diphtheria toxin. This gene encodes a protein that contains a WD-40 domain, and is thought to be involved in diphthamide biosynthesis. A similar protein in yeast functions as a methyltransferase, converting methylated diphthine to diphthine, which can then undergo amidation to produce diphthamide. [provided by RefSeq, Oct 2016]
Transcript Variant: This variant (1) encodes the longest isoform (a). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.