

Product datasheet for **RG205735**

WDR85 (DPH7) (NM_138778) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	WDR85 (DPH7) (NM_138778) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	WDR85
Synonyms:	C9orf112; RRT2; WDR85
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG205735 representing NM_138778
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGATGGGCTGTTTCGCCCTGCAAACGGTGGACACCGAGCTGACCGCGGACTCGGTGGAGTGGTGCCCGC
 TGCAAGGCTGCAGGCACCTGCTGGCGTGGGGACCTACCAGCTGCGGCGGCCGGAGGACCGCCTGCCGG
 CCCCCAGAACAAAGGTGGAATGGAAGTTAAGGAGCCTCAGGTCCGTTTAGGCCGTCTCTTCTGTACAGT
 TTCAATGACAACAACCTATTACCCCTCTGGTCGAGGTCCAAAGAAAAGATACTTCTGCAATCCTGGACA
 TGAAATGGTGTACATCCCGGTGGCTGGACATGCCCTCTGGGCTTGGCAGATGCCAGTGGATCCATACA
 ACTGCTCCGCCTGGTGAATCTGAGAAGAGCCACGTGCTGGAGCCATTGTCCAGCCTTGCCTGGAGGAG
 CAGTGTCTGGCTTTGTCCCTAGATTGGTCCACTGGGAAAAGTGAAGGGCCGGGACCAGCCCTGAAGA
 TCATCAGCAGTGACTCCACAGGGCAGCTCCACCTCCTGATGGTGAATGAGACGAGGCCAGGCTGCAGAA
 AGTGGCCTCATGGCAGGCACATCAATTCGAGGCCTGGATTGCTGCTTTCAATTACTGGCATCCAGAAATT
 GTGATTCAGGGGGCGACGATGGCCTTCTGAGGGGCTGGGACACCAGGGTACCCGGCAAATTTCTCTTCA
 CCAGCAAAGACACACCATGGGTGTGTGCAGCATCCAGAGCAGCCCTCATCGGGAGCACATCCTGGCCAC
 GGAAGCTATGATGAACACATCCTACTGTGGGACACACGAAACATGAAGCAGCCGTTGGCAGATACGCCCT
 GTGCAGGGTGGGGTATGGAGAATCAAGTGGCACCCCTTCCACCACCACCTGCTCCTGGCCGCTGCATGC
 ACAGTGGCTTTAAGATCCTCAACTGCCAAAAGGCAATGGAGGAGAGGCAGGAGGGCAGCGTCTGACATC
 TCACACATTGCCGACTCGCTGGTGTATGGAGCCGACTGGTCTGGCTGCTTCCGTTCTCTGCAGCGG
 GCCCCTCGTGGTCTTTCTAGCAACCTAGGAACCAAGACGGCAGACCTGAAGGGTGAAGCGAGTTGC
 CAACACCCTGCATGAATGCAGAGAGGATAACGATGGGGAGGGCCATGCCAGACCCAGAGTGAATGAA
 GCCACTCACAGAGGGCATGAGGAAGAATGGCACCTGGCTGCAGGCTACAGCAGCCACCACAGTACTGT
 GGCGTGAACCCAGAAGAAGCAGACTCAGCCTTACGCTCCTGGCCACCTGCTCCTCTATGACCATGCGC
 TCCACCTCTGGAGTGGGAGGGGAAC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG205735 representing NM_138778
 Red=Cloning site Green=Tags(s)

MMGCFALQTVDELTAADSVWCPLQGCRHLLACGTYQLRRPEDRPAGPQNKGGMEVKEPQVRLGRLFLYS
 FNDNNSIHPLVEVQRKDTSAILDMKWCHIPVAGHALLGLADASGSIQLLRLVESEKSHVLEPLSSLALEE
 QCLALSLDWSTGKTGRAGDQPLKIISSDSTGQLHLLMVNETRPRLQKVASWQAHQFEAWIAAFNYWHPEI
 VYSGDDGLLRGWDTRVPGKFLFTSKRHTMGVCSIQSSPHREHILATGSYDEHILLWDRNMKQPLADTP
 VQGGVVRWKWHPFHHLHLLAACMHSGFKILNCQKAMEERQEATVLTSHLTPDSL VYGADWSWLLFRSLQR
 APSWSFPSNLGKTADLKGASELPTPCHECREDNDEGHARPQSGMKPLTEGMRKNGTWLQATAATTRDC
 GVNPEEADSAFSLLATCSFYDHALLHLEWEGN

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_138778

ORF Size: 1356 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_138778.5](#)

RefSeq Size: 1848 bp

RefSeq ORF: 1359 bp

Locus ID: 92715

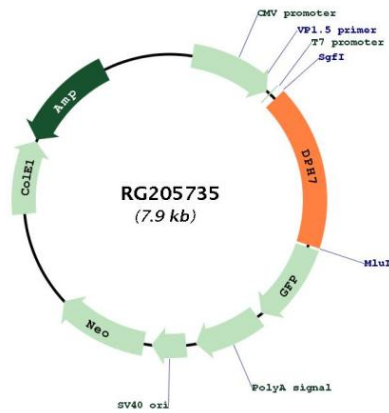
UniProt ID: [Q9BTV6](#)

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]

Product images:



Circular map for RG205735