

Product datasheet for **RG205895**

WDR11 (NM_018117) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	WDR11 (NM_018117) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	WDR11
Synonyms:	BRWD2; DR11; HH14; SRI1; WDR15
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG205895 representing NM_018117 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTTGCCCTACACAGTGAACCTCAAGGTGTCGGCGCGCACCCCTCACGGGGGCCCTCAACGCCACAACA
AGGCGCGGTGGACTGGGCTGGCAAGTTAATTGCTTATGGATGTCATCACTTGTGGTAGTGATTGA
TTCCATTACTGCCAACTCTTCAAGTTTTAGAAAAGCATAAAGCTGATGTTGTAAGGTTAAATGGGCC
AGGGAAAATATACCATAACATTGGCTCACCATTGCTTACGGTTAGCTTCTGCTGATGCAATGGGA
AGATCATCGTCTGGGATGTAGCAGCAGGAGTAGCTCAGTGTGAGATCCAAGAGCATGCCAAGCCTATCCA
GGATGTTCAATGGTGTGGAATCAAGATGCTTCCCGGATTTACTGCTTGTATCCACCCGCCAAATTAC
ATTGTGCTCTGGAATGCCGACACTGGCACCAAATATGGAAGAAGAGCTATGCAGATAACATTTCTTCTT
TTTCTTTTGACCTTTTATCCCTCACATTTAACTTTGCTTACCAGCGAGGGTATTGTTTTATCTCAGA
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GTGATTGCAATAGAACGCACAGGAGTTCATTTTACAGGTAATACCCCTGCTTTCAGCGTGTGTTTAT
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GGTACAAGTAATGGTTCTGTCCTGGTGTACCATCTCACCAGTGGTCTGCTACACAAAGAGTTAAGCATCC
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TTGAGTCCCCAAGGAAGAACCATTGAAGAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG205895 representing NM_018117
 Red=Cloning site Green=Tags(s)

MLPYTVNFKVSARTLTGALNAHNKAAVDWGQGLIAYGCHSLVVVIDSITAQTLQVLEKHKADVVKV
 RYHHNIGSPYCLRLASADVNGKIIIVDVAAGVAQCEIQEHAKPIQDVQWLWNQDASRDLLAIHPPNY
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 VIAIERTGVPFLQVIPCQFQDGLFCLHENGCI TLRVRRSYNNIFTT SNEEPDPPVQELTYDLRSQCDAI
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 GTSNGSVLVYHLTSGLLHKELSIHSCVKGIEWTSLTSFLSFATSTPNMGLVRNELQLVDLPTGRSIAF
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 QLATREAMARQTVVSDTELSIVESSVILLSQEAESKSELSONISAREHFVFTDIDGQVYHLTVEGNSVKD
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 LERVNLQEVKRSTYDHTRKCTDQLLLLQGTDRVQLLLET SADNQHYCDLKAQLVTTVTSSGQSQSTI
 KLVATNMIANGKLAEGVQLLCLIDKAADACRYLQTYGEWNRAAWLAKVRLNPEECADVLRWVDHL CSPQ
 VNQKSKALLVLLSLGCCFSAETLHSMRYFDRAALFVEACLKYGA FEVTEDETEKLITAIYADYARSLKNL
 GFKQGA VLFASKAGAAGKDLLNELESPKEEPIEE

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

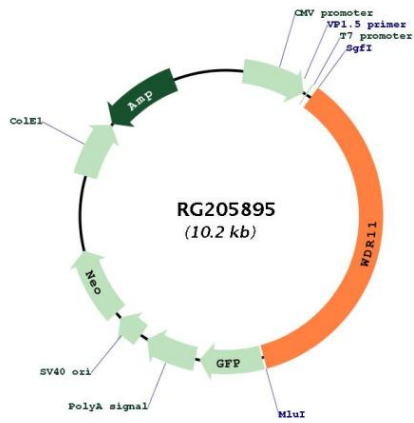


ACCN: NM_018117

ORF Size: 3672 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:	<ol style="list-style-type: none">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_018117.10 , NP_060587.8
RefSeq Size:	4724 bp
RefSeq ORF:	3675 bp
Locus ID:	55717
UniProt ID:	Q9BZH6
Cytogenetics:	10q26.12
Domains:	WD40
Gene Summary:	<p>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 is located in the chromosome 10q25-26 region, which is frequently deleted in gliomas and tumors of other tissues, and is disrupted by the t(10;19) translocation rearrangement in glioblastoma cells. The gene location suggests that it is a candidate gene for the tumor suppressor locus. [provided by RefSeq, Jul 2008]</p>

Product images:



Circular map for RG205895