

Product datasheet for **RG216049**

WDR25 (NM_024515) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	WDR25
Synonyms:	C14orf67
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG216049 representing NM_024515
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGACACGAAGAACTCTGTCTTTAATGGCTTCATTGGTAGCGTATGATGATTCCGACTCGGAGGCTGAGA
 CAGAGCATGCAGGAAGTTTAAATGCTACCGGCCAGCAGAAAGACACTTCTGGTGTGGCCAGACCACCTGG
 GCAGGATTTTGCATCTGGTACACTGGATGTGCCAAAGCAGGGGCACAGCCACAAAGCATGGCTCCTGT
 GAAGACCCAGGGGGCTATCGCCTTCCATTGGCTCAGCTTGGGAGAAGCGATCGGGGATCTTGCCCCAGCC
 AGAGGCTACAGTGGCCCGGGAAGGAGCCTCAAGTCACCTTCCCCATCAAGAGCCTTCTTGTCTTCTCT
 GTGGACGAGCCATGTTCCAGCCAGCCACATGCCCTGGCAGCTGCCCGCTTAAAGCAAGTAAACTCTCC
 AGGAACTTTCCCAAGTCATCTTCCATGCTCAAAGTAGTCTGAAACCGTAGGTAAAAATGCGAGCTCTT
 TTCAGAAGAAAAATGTGAGGACTGTGTGGTACCCTATACTCCAGAAGACTAAGACAGCGGCAGGCATT
 AAGCACGGAGACAGGAAGGGTAAAGACGTGGAGCCACAGGGGCCCTGCAGGGCGTGCCCCAGCCCT
 CTCTACGTGGGCCCGGAGTGTCTGAGTTTATTAGCCATATTTGAATAGCCATTATAAAGAAACACAG
 TTCCCCGGAAGTGCTTTTCCACCTGAGAGGCCACAGGGGCCCTGTCAACACCATTCAGTGGTGTCCAGT
 CCTTTCTAAGAGCCACATGCTTCTCTCCACTTCTATGGATAAACTTTCAAGGTATGGAACGCCGTGGAC
 TCCGGGCACTGCCTGCAGACCTACTCCCTGCACACAGAGGCAGTGGGGCCGCCCGTGGGTCCCTGTG
 GCCGGCGCATCCTCAGTGGTGGCTTTGACTTCGCGCTGCACCTAACAGACCTTGAACAGGAACCCAGCT
 ATTTAGTGGTGAAGTGAAGTCTTAGAATCACTACCTGAAATTCATCCAAAAGACCACAACATCTTTTTA
 TGTGGAGGCTTCAGCTCTGAAATGAAAGCTTGGGATATAAGGACTGGCAAGGTGATGAGAAGCTACAAGG
 CGACCATCCAGCAGACCTTGGACATCCTGTTCTCCGGGAAGGCTCCGAGTTCCTGAGCAGCACAGACGC
 TTCCACCCGGGACTCAGCTGACCGCACCATTATTGCCTGGGATTTCCGGACCTTGCCAAAATCTCCAAC
 CAGATTTTCCACGAGAGGTTACCTGCCCCAGCCTCGCCTTGACCCGAGAGAGCCCGTGTCTCTGGCAC
 AGACCAATGGCACTACCTGGCCCTTTTCTCCACTGTGTGGCCCTACCGGATGATCAGACGGCGGCGCTA
 TGAAGGGCACAAGGTGGAGGGCTACTCAGTGGGCTGCGAGTGCTCCCCAGGCGGTGACTTGCTGGTGACG
 GGCAGCGCCGATGGCCGGGTCTGATGTACAGCTTCCGCACAGCCAGCCGAGCATGCACACTGCAGGGGC
 ACACACAGGCCTGTGTCGGCACCACCTATCACCCGCTGCTGCCCTCCGCTCCTGCCACCTGCTCTGGGG
 AGGGGACATGAAGATCTGGCAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG216049 representing NM_024515
 Red=Cloning site Green=Tags(s)

MTARTLSMASLVAYDDSDSEAEETHAGSFNATGQKDTSGVARPPGQDFASGTLDPKAGAQPTKHGSC
 EDPGGYRLPLAQLGRSDRGSCPSQRLQWPGKEPVTFPIKEPSCSSLWTSHPVASHMPLAAARFKQVKLS
 RNFPSFHAQSESETVGKNGSSFQKKKCEDCVPYTPRRLRQRQALSTETGKGKDEVPQGPAGRAPAP
 LYVGPVSEFIQPYLNSHYKETTVPRKVLFLHGRHGPVNTIQWCPVLSKSHMLLSTMDKTFKVNNAV
 SGHCLQTYSLHTEAVRAARWAPCGRRILSGGDFALHLDLETGTQLFSGRSDFRITTLKFHPKDHNI
 CGGFSSEMKAWDIRTGVMRSYKATIQQLDILFLREGSEFLSSTDASTRDSADRTIIAWDFRTSAKISN
 QIFHERFTCPSLALHPREPVLQAQTNGNYLALFSTVWPYRIRRRRYEGHKVEGYSVGCECSPGGDLLVT
 GSADGRVLMYSFRITASRCTLQGHTQACVGTTYPVLPVSLATCSWGGDMKIWH

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_024515

ORF Size: 1632 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

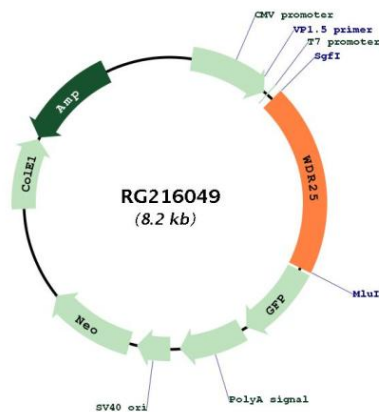
RefSeq: [NM_024515.3](#), [NP_078791.2](#)

RefSeq Size: 2004 bp

RefSeq ORF: 1635 bp
Locus ID: 79446
UniProt ID: [Q64LD2](#)
Cytogenetics: 14q32.2
Gene Summary:

This gene encodes a protein containing 7 WD repeats. WD repeats are approximately 30 to 40-amino acid domains containing several conserved residues, typically having a Tryptophan-Aspartic acid dipeptide (WD) at the C-terminal end. WD domains are involved in protein-protein interactions in a variety of cellular processes, including cell cycle progression, signal transduction, apoptosis, and gene regulation. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2017]

Product images:



Circular map for RG216049