

Product datasheet for **RG217345**

WDR31 (NM_001012361) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	WDR31 (NM_001012361) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	WDR31
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG217345 representing NM_001012361 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGCTGCTACTCAGGTGCCAACTGAAACAAGCTCCTCCACAGAAGGTTTCGTTTAGGTTTTGTGTCGTGA
TGGGGAACAGCAAAGCAAACCTCAAACACAGCACTTATAAATACGGCAGGCCTGATGAAATTATAGAAGA
GAGAATTCAACTAAAGCTTTTCAAGAGTATAGCCAGCTCACATGGATACCGTCTCTGTCGTGGCTGCT
TTGAACCTCAGACCTTTGTGCTCTGAGGGGAAAGATAAGACAGTTGTGGCCTATAATTGAAAACTGGAA
ATGTGGTGAAAAGGTTCAAAGGACATGAACATGAGATCACCAAGGTAGCCTGTATTCCCAATCCAGCCA
GTTCTTCAGTGCCTCTCGTGACAGGATGGTCATGATGTGGGACTTGACAGGTTCCCTACAACCAAGGCAG
CAATTGTGTGGCCATGCCATGGTGGTCACCGGATTGGCTGTGAGTCCAGACTCATCACAGCTGTGCACTG
GCTCTCGGACAAACACCCTGCTTCTGTGGGATGTGGTGACAGGACAGAGTGTGGAAGAGCATCTGTCTC
CAGGAACGTGGTCACTCACCTGTGCTGGGTCCCCAGAGAACCATACATACTACAGACCTCTGAAGATAAA
ACCCTCAGATTATGGGACAGTCGGGGGCTGCAGGTAGCTCATATGTTTCTGCAAAGCAGCACATTGAGA
CCTACTGTGAAGTCAGTGTGGATGGACACAAGTGTATCTCCTGCAGCAATGGCTTTGGAGGAGAAGGCTG
TGAAGCCACGTTGTGGGACCTAAGACAGACTCGAAACAGAATATGTGAGTATAAGGGGCATTTCAGACT
GTCGCATCCTGCGTCTTTCTACCAAGAGCATTGGCCTTGATGCCTTTAATTGCTACCTCATCACATGATT
GCAAGGTGAAGATTTGGAACCAAGATACTGGAGCCTGCCTTTTCACCTTGCTCTGGATGGATCAGGACC
CTTGACTTCTCTGGCTGTTGGTGACGCCATCTCCTTATTGTGTGCAAGTTTAAACAGAGGAATTCACCTTA
CTCAGAATGGACCACAGCCAAGGCTGGAAGTGCAGGAAGTGGCAGCATTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA


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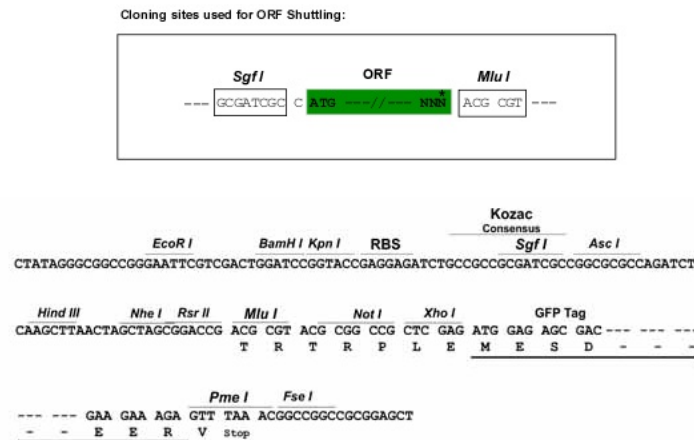
Protein Sequence: >RG217345 representing NM_001012361
 Red=Cloning site Green=Tags(s)

MLLLRCQLKQAPPQKVSFRFCVVMGKQQSKLKHSTYKYGRPDEIEERIQTAKFQEYSPAHTVSVVAA
 LNSDLCVSGGDKTVVAYNWKTGNVVKRFKGHEHEITKVACIPKSSQFFSASDRMVMWDLHGSSQPRQ
 QLCGHAMVVTGLAVSPDSSQLCTGSRDNTLLLWDVVTGQSVASVSRNVVTHLCWVPREPYILQTSDEK
 TLRLWDSRGLQVAHMFPAKQHIQTYCEVSDGHKCISSNGFGGEGCEATLWDLRQTRNRICEYKGFHQT
 VASCVFLPRALALMPLIATSSHCKVKIWNQDTGACFLTSLDGSGLTSLAVGDAISLLCASFNRIHL
 LRMDHSQGLELQEVAAF

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001012361

ORF Size: 1101 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_001012361.4](#)

RefSeq Size: 2508 bp

RefSeq ORF: 1104 bp

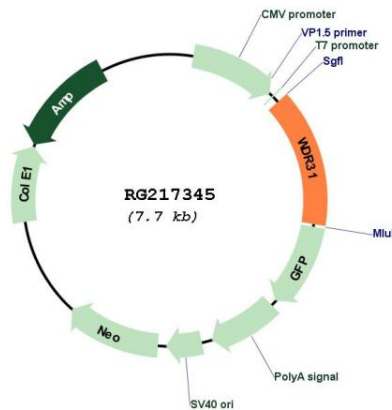
Locus ID: 114987

UniProt ID: [Q8NA23](#)

Cytogenetics: 9q32

Gene Summary: 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-aspartate (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. Multiple alternatively spliced transcript variants encoding distinct isoforms have been found for this gene but the biological validity of some variants has not been determined. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG217345