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Product datasheet for RC217345

WDR31 (NM_001012361) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	WDR31 (NM_001012361) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	WDR31
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>RC217345 representing NM_001012361
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCTGCTACTCAGGTGCCAACTGAAACAAGCTCCTCCACAGAAGGTTTCGTTTAGGTTTTGTGTCGTGA
TGGGGAAACAGCAAAGCAAACTCAAACACAGCACTTATAAATACGGCAGGCCTGATGAAATTATAGAAGA
GAGAATTCAAACTAAAGCTTTTCAAGAGTATAGCCCAGCTCACATGGATACCGTCTCTGTCGTGGCTGCT
TTGAACTCAGACCTTTGTGTCTCTGGAGGGAAAGATAAGACAGTTGTGGCCTATAATTGGAAAACTGGAA
ATGTGGTGAAAAGGTTCAAAGGACATGAACATGAGATCACCAAGGTAGCCTGTATTCCCAAATCCAGCCA
GTTCTTCAGTGCCTCTCGTGACAGGATGGTCATGATGTGGGACTTGCACGGTTCCTCACAACCAAGGCAG
CAATTGTGTGGCCATGCCATGGTGGTCACCGGATTGGCTGTGAGTCCAGACTCATCACAGCTGTGCACTG
GCTCTCGGGACAACACCCTGCTTCTGTGGGATGTGGTGACAGGACAGAGTGTGGAAAGAGCATCTGTCTC
CAGGAACGTGGTCACTCACCTGTGCTGGGTCCCCAGAGAACCATACATACTACAGACCTCTGAAGATAAA
ACCCTCAGATTATGGGACAGTCGGGGGCTGCAGGTAGCTCATATGTTTCCTGCAAAGCAGCACATTCAGA
CCTACTGTGAAGTCAGTGTGGATGGACACAAGTGTATCTCCTGCAGCAATGGCTTTGGAGGAGAAGGCTG
TGAAGCCACGTTGTGGGACCTAAGACAGACTCGAAACAGAATATGTGAGTATAAGGGGCATTTCCAGACT
GTCGCATCCTGCGTCTTTCTACCAAGAGCATTGGCCTTGATGCCTTTAATTGCTACCTCATCACATGATT
GCAAGGTGAAGATTTGGAACCAAGATACTGGAGCCTGCCTTTTCACCTTGTCTCTGGATGGATCAGGACC
CTTGACTTCTCTGGCTGTTGGTGACGCCATCTCCTTATTGTGTGCAAGTTTTAACAGAGGAATTCACTTA
CTCAGAATGGACCACAGCCAAGGGCTGGAACTGCAGGAAGTGGCAGCATTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

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Protein Sequence:

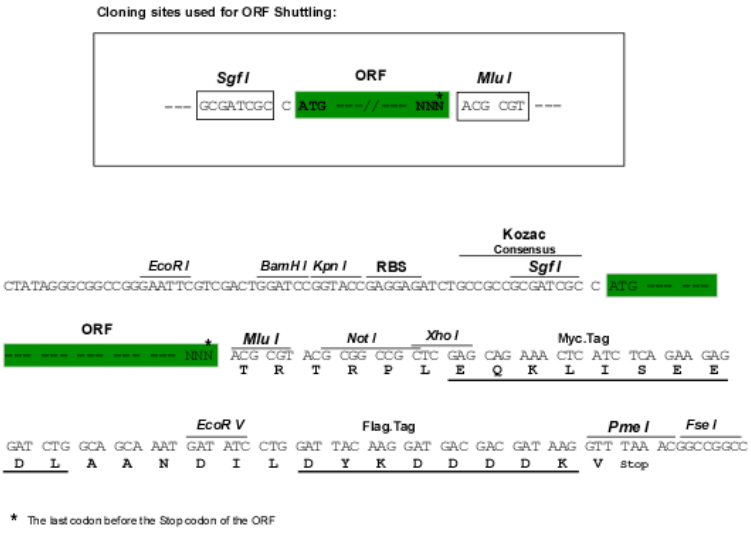
>RC217345 representing NM_001012361
Red=Cloning site Green=Tags(s)

MLLLRCQLKQAPPQKVSFRFCVVMGKQQSKLKHSTYKYGRPDEIIEERIQTKAFQEYSPAHMDTVSVVAA
LNSDLCVSGGKDKTVVAYNWKTGNVVKRFKGHEHEITKVACIPKSSQFFSASRDRMVMMWDLHGSSQPRQ
QLCGHAMVVTGLAVSPDSSQLCTGSRDNTLLLWDVVTGQSVERASVSRNVVTHLCWVPREPYILQTSEDK
TLRLWDSRGLQVAHMFPAKQHIQTYCEVSVDGHKCISCSNGFGGEGCEATLWDLRQTRNRICEYKGHFQT
VASCVFLPRALALMPLIATSSHDCKVKIWNQDTGACLFTLSLDGSGPLTSLAVGDAISLLCASFNRGIHL
LRMDHSQGLELQEVAAF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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

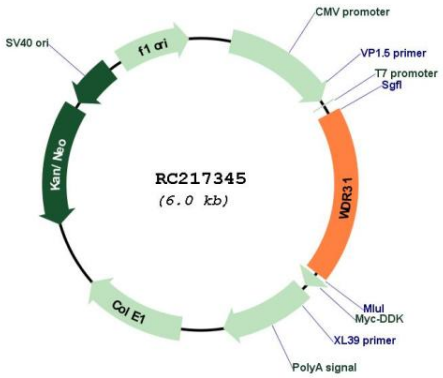
UniProt ID: Q8NA23

Cytogenetics: 9q32

MW: 40.8 kDa

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-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. 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 RC217345