

## Product datasheet for RC216403

### WDR33 (NM\_001006623) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	WDR33 (NM_001006623) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	WDR33
Synonyms:	NET14; WDC146
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC216403 representing NM_001006623 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCTACAGAAATTGGTTCTCCTCGTTTTTCCATATGCCAAGGTTCCAGCACCAGGCACCTCGAC  
AGCTGTTTTATAAGCGACCTGATTTTGCACAACAGCAAGCAATGCAACAGCTTACTTTTGATGGAAAACG  
AATGAGAAAAGCTGTGAACCGAAAACCATAGACTACAATCCATCTGTAATTAAGTATTTGGAGAACAGA  
ATATGGCAAAGAGACCAGAGAGATATGCGGGCAATTCAGCCTGATGCAGGTTATTACAATGATCTGGTCC  
CACCTATAGGAATGTTGAATAATCCTATGAATGCAGTAACAACAAAATTTGTTCCGACATCAACAAATAA  
AGTAAAGTGTCCGTATTTGTTGTTAGGTGGACTCCAGAAGGAAGACGCTTGGTCACTGGAGCTTCTAGT  
GGGAGTTTACCCTGTGGAATGGACTCACTTTCAATTTTAAAACAATATTACAGGCTCACGACAGCCCGAG  
TGAGGGCCATGACGTGGTCACATAATGACATGTGGATGTTGACAGCAGACCACGGAGGATATGTGAATA  
TTGGCAGTCGAACATGAACAACGTCAAGATGTTCCAGGCACATAAGGAGGCGATTAGAGAGGCCAGTTTC  
TCACCCACGGATAATAAATTTGCTACATGCTCTGATGACGGCACTGTTAGAATCTGGGACTTTCTTCGTT  
GCCATGAGGAAAGAATTCTCCGAGATACATGTTTTCATCACTGCCGTTGTTACTTCTTTCTGTCAAGAG  
G

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC216403 representing NM\_001006623  
Red=Cloning site Green=Tags(s)

MATEIGSPRRFFHMPRFQHQAPRQLFYKRPDFAQQQAMQQLTFDGKMRKAVNRKTIIDYNPSVIKYLENR  
 IWQRDQRDMRAIQPDAGYYNDLVPIGMLNPNMNAVTTKFKVVRTSTNKVKCPVFFVVRWTPGRRLLVTGASS  
 GEFTLWNGLTFNFETILQAHDSPVRAMTWSHNDMWMMLTADHGGYVKYQSNMNNVVKMFQAHKEAIREASF  
 SPTDNKFATCSDDGTVRIWDFLRCHERILRDTCFHHRCRCYFLSVKR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mg8003\\_d05.zip](https://cdn.origene.com/chromatograms/mg8003_d05.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001006623

**ORF Size:** 771 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\\_001006623.3](#)

**RefSeq Size:** 3574 bp

**RefSeq ORF:** 774 bp

**Locus ID:** 55339

**UniProt ID:** [Q9C0J8](#)

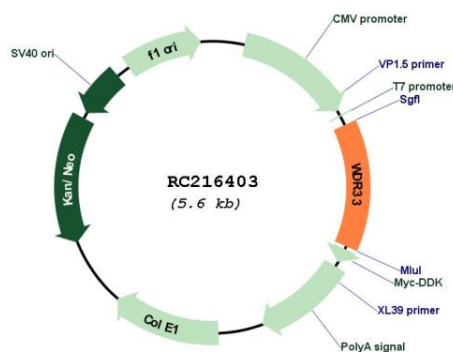
**Cytogenetics:** 2q14.3

**Protein Families:** Stem cell - Pluripotency

**MW:** 30.1 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. This gene is highly expressed in testis and the protein is localized to the nucleus. This gene may play important roles in the mechanisms of cytodifferentiation and/or DNA recombination. Multiple alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

### Product images:



Circular map for RC216403