

Product datasheet for RC224077

WDR33 (NM_001006622) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	WDR33 (NM_001006622) 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:	>RC224077 representing NM_001006622 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTACAGAAATTGGTTCCTCCTCGTTTTTCCATATGCCAAGTTCCAGCACCAGGCACCTCGAC
AGCTGTTTTATAAGCGACCTGATTTTGCACAACAGCAAGCAATGCAACAGCTTACTTTTGATGGAAAACG
AATGAGAAAAGCTGTGAACCGAAAACCATAGACTACAATCCATCTGTAATTAAGTATTTGGAGAACAGA
ATATGGCAAAGAGACCAGAGAGATATGCGGGCAATTCAGCCTGATGCAGGTTATTACAATGATCTGGTCC
CACCTATAGGAATGTTGAATAATCCTATGAATGCAGTAACAACAAAATTTGTTCCGACATCAACAAATAA
AGTAAAGTGCCTGTATTTGTTGTTAGGTGGACTCCAGAAGGAAGACGCTTGGTCACTGGAGCTTCTAGT
GGGGAGTTTACCCTGTGGAATGGACTCACTTTCAATTTTAAAACAATATTACAGGCTCACGACAGCCAG
TGAGGGCCATGACGTGGTCACATAATGACATGTGGATGTTGACAGCAGACCACGGAGGATATGTGAATA
TTGGCAGTCGAACATGAACAACGTCAAGATGTTCCAGGCACATAAGGAGGCGATTAGAGAGGCCAGGTTT
ATACACAATATACCATTTTCTGTAGTCCCTATTGTCATGGTTAAATTTCTCTAAGTGTATTCTGGGTG
CAGAGATGCATGGGCTCTGTCAGTTTCTGGAACTTTCTGCACCCTATAAACACAATATTTTCTTTGT
TTTCACACATTCACATTTTGTGTCACCTTTCTGAAGTAGTGTGTCCCGGTATCAGCCTTTGCAATAT
GTTAGAGATGACTGTCTGCCGATTTTGCAGTGGTTTTCTTTTCATTTATGATTAATAATGTGTATA
CGTTATTCCTTTTATTATCTACTGTGTAAGACAAGAATTTTCATTCCAATAAAGAATTCAGTCTT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC224077 representing NM_001006622
Red=Cloning site Green=Tags(s)

MATEIGSPRRFFHMPRFQHQAPRQLFYKRPDFAQQQAMQQLTFDGKMRKAVNRKTIDYNPSVIKYLENR
 IWQRDQRDMRAIQPDAGYYNDLVPPIGMLNPNMNAVTTKFKVVRTSTNKVKCPVFFVVRWTPGRRRLVTGASS
 GEFTLWNGLTFNFETILQAHDSPVRAMTWSHNDMWMLTADHGGYVKYWQSNMNNVXKMFQAHKEAIREARF
 IHNIPFSVPIVMVKLFSKILGAEMHGLCQFLGNFLHPINTIFFVFTHSPPFCWHLSEVVLTRYQPLQY
 VRDVLAAAFCTGFLFSFMINNVYTLFLFIYCVRQYFIPNKEFSL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8052_d07.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001006622

ORF Size: 978 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_001006622.2](#), [NP_001006623.1](#)

RefSeq Size: 1174 bp

RefSeq ORF: 981 bp

Locus ID: 55339

UniProt ID: [Q9C0J8](#)

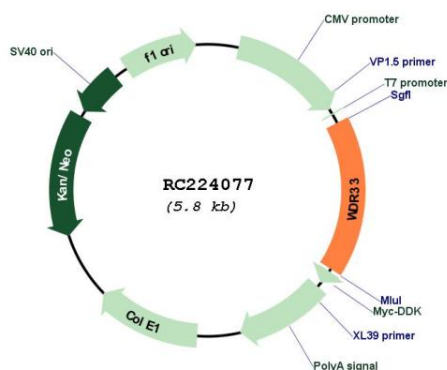
Cytogenetics: 2q14.3

Protein Families: Stem cell - Pluripotency

MW: 38.1 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 RC224077