

Product datasheet for **RC224568**

WDR3 (NM_006784) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	WDR3 (NM_006784) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	WDR3
Synonyms:	DIP2; UTP12
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-Myc-DDK (PS100007)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RC224568 representing NM_006784
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGGGCTACCAAGCAGTACCTACGCTATGTTGCTAGTGCGGTCTTTGGCGTTATCGGCAGCCAAAAAG
 GTAATATTGTCTTTGTGACACTTCGTGGTGAGAAAAGGACGTTATGTGGCAGTACCAGCTTGTGAACACGT
 TTTCATCTGGGACTTAAGGAAAAGGAGAGAAGATTCTTATCCTTCAGGGGCTTAAACAAGAAGTACTTGC
 TTATGCCCTCCCCAGATGGGCTACACTTAGCTGTTGGGTATGAGGATGGGTGATCCGAATCTTCAGTC
 TCCTGAGTGGGGAAGGAAATGTGACCTCAATGGTCACAAAGCAGCTATCACTACCTGAAGTATGATCA
 GCTAGGAGGCAGACTGGCATCTGGGTCCAAGGACACAGATATTATTGTATGGGATGTGATCAATGAAAGT
 GGTCTGTACCGTCTAAGGGGCACAAGGATGCCATCACACAAGCATTGTTTCTACGAGAAAAGAACCTGC
 TAGTACTAGTGGAAAGATACCATGGTAAATGGTGGGACCTTGATACTCAGCACTGCTTTAAAACAAT
 GGTTGGCCACCGACTGAGGTATGGGGTGGTCTGTTGTGAGAAGAAAAGCGACTCATCACTGGGGCC
 TCAGACAGTGAACGAGGTATGGGACATAGCTTATCTGCAAGAGATTGAAGACCCGGAAGAACCAGACC
 CCAAGAAAATCAAGGATCTTCTCCTGGAATACAAGATACTCTTGAGGCAGAGGATGGTGCCCTTTGAGAC
 GGATGAAGCCCCTGAGGATCGAATCCTTTCATGCAGAAAAGCTGGTTCATAATGCCGGAAGGAAGAGAC
 AGAGTTGTAACCTTGCAGTCGACAAGACAGGCAGGATCTTGCTGGCATGGAAGTACTCTGTGCTAG
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 CTCACGGAGAGTTAAAGGCTGTCTTCTGCTGCAGAACAACCTGGTGAATTGTATTCACTGAATCCACT
 CTTCCTACTCCTCAGCCTGTCCAGGACAAGCAATCACTATTGGGGTTCATCGCAGTGTGTGCGGACT
 TTGTCATTAGCTCAGACAATATTGCTGTTCTTTCAGCTGCAGCTGATTCCATTAATAATATGGAACAGT
 CTACACTGCAGTGTATTCGCACAATGACCTGTGAATATGCACTTTGCTCATTCTTTGTACCTGGTATAG
 ACAGGTAGTCATAGGAACAAAGACAGGGAAGCTGCAGCTTTATGACTTGGCTTCAGGGAATCTGCTGGAG
 ACAATAGATGCACATGATGGAGCTTTGTGGTCCATGTCCCTCTCTCCAGATCAGCGTGGCTTTGTGACAG
 GTGGTGCAGATAAATCTGTCAAATCTGGGATTTTGTAGTGTAGTAAAGATGAAAATAGTACCCAAAAGAG
 ACTTTCTGTGAAGCAAACCCGAACCTTGAACCTAGATGAAGATGTTCTGTGTGTCAGTTACTCTCCCAAT
 CAAAAGCTATTGGCTGTGCTTTTGTGGACTGTACTGTGAAAATTTTCTACGTTGATACTTTAAAGTTTT
 TTCTGTCACTGTATGGACACAAACTGCCTGTTATATGCATGGACATCTCTCATGATGGAGCACTCATAGC
 AACTGGCTCCGCTGATAGGAATGTGAAAATCTGGGGTTTGGACTTTGGGGACTGCCACAAGTCTCTCTTT
 GCACATGATGACAGTGTGATGTACCTACAGTTTGTACCCAAGTCTCACCTCTTCTCACTGCCGAAAAG
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 CCATCCTAATGGCTTATGGCAGTATCTCACCTCAGCTTATGTATTAGAGATTTTAAAGGGATCAAGTC
 GAGTGAGCTGGAAGAATCTACTTGTGCTGCCTTTCTCTTATGTCCCAGACATTCTTAACTCTTTAAC
 GAATTCATTAGCTGGGCTCTGATGTTGAACCTTATGCGCGTGCCTCTTCTTCTCCTTAGGATCACT
 TTGGACAGATCACTAGCAATCAAATGCTTGTGCCAGTGTAGAAAAATTAAGGGAACAACATTTTCAA
 AGTCAGCCAAGTCCGGGATGTTATCGGCTTCAATATGGCTGGTCTTGATTATCTCAAGAGGGAATGCGAG
 GCAAAAAGTGAAGTTATGTTTTTGTGATGCTACTAGCCACTTGAAGAGAAGAAGAGGAAGAGGAAAA
 AGAGGGAGAAGTTGATTCTAACGTTGACT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC224568 representing NM_006784
 Red=Cloning site Green=Tags(s)

MGLTKQYLRVVASAVFGVIGSQKGNIVFVTLRGEKGRYVAVPACEHVFIWDLRKGEKILILQGLKQEVTC
 LCPSPDGLHLAVGYEDGSIRIFSLLSGEGNVTFNGHKAITTLKYDQLGGRLASGSKDTDIIVWDVINES
 GLYRLKGHKDAITQALFLREKNLLVTSKGDVMKWWDLDTQHCFTMVGHRTEVWGLVLLSEEKRLITGA
 SDSELRVWDIAYLQEIEDPEEPDPKKIKGSSPGIQDTLEAEDGAFETDEAPEDRILSCRKAGSIMREGRD
 RVVNLAVDKTGRILACHGTDVLELFCILSKKEIQKKMDKMKMKARKKAKLHSSKGEEEDPEVNVMSLQ
 DEIQRVNTIKTSAKIKSFDLIHSPHGELKAVFLLQNNLVELYSLNPSLPTPQPVRTSRITIGGHRSDVRT
 LSFSSDNIAVLSAAADSIKIWNRSTLQCIRTMTCEYALCSFFVPGDRQVVIQTKTKGLQLYDLASGNLLE
 TIDAHDGALWSMSLSPDQRGFVTGGADKSVKFWDFELVKDENSTQKRLSVKQTRTLQLDEDVLCVSYSPN
 QKLLAVSLLDCTVKIFYVDLTKFFLSLYGHKLPVICMDISHD GALIATGSADRNVKIWGLDFGDCHKSLF
 AHDDSMVYLQFVPKSHLFFTAGKDHKIKQWDADKFEHIQTLEGGHQEIWCLAVSPSGDYVSSSHDKSLR
 LWERTREPLILEEEREMEREAEYEESVAKEDQPAVPGETQGDSYFTGKKT IETVKAERIMEAIELYREE
 TAKMKEHKAICKAAGKEVPLPSNPILMAYGISPSAYVLEIFKGIKSSELEESLLVLPFSYVPDILKLFN
 EF IQLGSDVELICRCLFLLRIHFQGITSNQMLVPVIEKLRETTISKVSQVRDVI GFNMAGLDYLRKRECE
 AKSEVMFFADATSHLEEKRRKRKKREKLILTLT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_006784

ORF Size: 2829 bp

OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
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:	<ol style="list-style-type: none"> 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_006784.3
RefSeq Size:	3850 bp
RefSeq ORF:	2832 bp
Locus ID:	10885
UniProt ID:	Q9UNX4
Cytogenetics:	1p12
Protein Families:	Druggable Genome
MW:	105.9 kDa
Gene Summary:	This gene encodes a nuclear protein containing 10 WD repeats. WD repeats are approximately 30- to 40-amino acid domains containing several conserved residues, which usually include a trp-asp at the C-terminal end. Proteins belonging to the WD repeat family are involved in a variety of cellular processes, including cell cycle progression, signal transduction, apoptosis, and gene regulation. [provided by RefSeq, Jul 2008]