

Product datasheet for **RR217317**

Wdr44 (NM_001100823) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Wdr44 (NM_001100823) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Wdr44
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR217317 representing NM_001100823
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGTCGGAAGCGCAGACTGAGGAATTCATGATGCCCTGAAGATGTGCACCTGGGGGCGACTATC
 CTGTGGGGTCTCCAGGAAAAGTTGGACTTTTATCATTCAAGGAAACAAAGAATACAGGAAACAAAGCTGG
 AAATGAGTCCCCTGTACAAGAATTGAGACAAGATGTATCTAAAAAGATAATTGAATGTATTATTAGGAA
 AGTCAGAAAGTACTACAATTGGAAGATGACTCTTTGGATTCCAAAGGAAAAGGACTTTCTGATCAGGCCA
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 ACAACAAGGTTCCAGAAAGGCAGACAGTCAGAATGCAGCTGAAGAACTGAACTAGAAACACAAAAATGT
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 GTTCAGCTGATCAGCTTGATGCTTCTAACTAGAACTGAAATATTGAACAAGGAAGCAGTGAAGTCAA
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 GTGGCTCCCGCCAAACCCCAAGGCACCTTACTCCAGAACCTGATATAGTAGCCAGTACAAGAAGCCTG
 TTCTGCACGCCACCCCACTAATTTCCACCTCCTAGACCGCCACCTCCATCTCGACTGCACC
 ACCACCAAGAAAAAGAAAAGTACCTGGAGTTTGGAGCTCTTAAACACCTGATCTGGATGTACCCAAA
 GACAATATTGCATCTGATTCTCTGCTAACTACAATATGGCTTCAGAAAGTACAGTTAGAGATTCTCTGC
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 GAGAATATGGGCTTTAAAAAATGCTTTTACTATTTCAACAATATGCGAATGAAATACAATACTGAAGGA
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 ACTGTCAGGTTATGGCACATTTCTAGAAGAGAATGCCTTTGCTGTTTTCAACACATAGATTTTGTCACTG
 CCATCGCTTTCCATCCAAGAGATGACAGATATTTTCTCAGTGGATCATTGGATGGAAAGCTCCGCCTATG
 GAACATACCTGACAAAAAAGTGGCTTTATGGAATGAAGTAGATGGTCAGACAAAGTTGATCACAGCTGCC
 AATTTTGTGACAGACGGCAAATATGCAGTAATGGGACATATGATGGTAGATGATTTTCTATGATACAG
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 TATGATCTGAGAGACCTATCACTGTCCATGAAGTATAAGGGTTATGTCAATAGCAGCAGCCAGATCAAAG
 CAAGTTTCAGCCATGACTTTACTTACCTCGTTAGCGGTTCAGAAGATAAATATGTTTATATCTGGAGTAC
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 AGGAAAAGTATCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAAGTTTAA

Protein Sequence: >RR217317 representing NM_001100823
 Red=Cloning site Green=Tags(s)

MASESDTEEFYDAPEDVHLGGSYPVGGSPGKVGLLSFKETKNTGNKAGNESPVQELRQDVSKKIIIECIIIE
 SQKVLQLEDDSLDSKGGKGLSDQATASHSVAGTEFSNIPGLLAIQHELQQGSRKADSQNAAEETELETQKC
 FPSDNNCEKSEKTEDETNL TEVSSADQLDASKLETEILNKEAVEVKEGDVVNPASSDALSTKDFAAVEE
 VAPAKPPRHLTPEPDIVASTKKVPARPPPTNFPPRPPPSRPAPPPRKKKSDLEFEALKTPDLDPVK
 DNIASDSLTTNMASESTVRDSLPSLDLASATSGDKIVT AQENKAPDVQTVAGEVMGPQRPRSNSGREL
 TDEEILASVMIKNLDTGEEIPLSLAEEKLPTGINPLTLHIMRRTKEYVSN DATQSDDEEKLQSQQTDTDG
 GRLKQKTTQLKKFLGKSVKRAKHLAEEYGERAINKVSVRDEVFHTDQDDPSSSDDEGMPYTRPVKFAA
 HGFKGPYDFDQIKVVQDLSGEHMGAVWTKF SHCGRLLASAGQDNIVRIWALKNAFDYFNNMRMYNTEG
 RVSPSPSQESLSSSKSDTDMGVCSTDEDPDDKNAPFRQRPFCYKYGHTADLLDL SWSKNYFLLSSSMDK
 TVRLWHISRRECLCCFQHIDFVTAIAFHPRDDRYFLSGSLDGKLR LWNIPDKKVALWNEVDGQTKLITAA
 NFCQNGKYAVIGTYDGRCIFYDTEHLKYHTQIHVRSTRGRNKVGRKITGIEPLGENKILVTSNDSRIRL
 YDLRDL SLMKYGYVNSSSQIKASF SHDFTYL VSGSEDKYVYI WSTYHDL SKFTSVRRDRNDFWEGIKA
 HNAVVTSAIFAPNP SMLSLDVQSEKLEGIDKYEDA EVL DNTSTGIVKTDNTEVLLSADFTGAIKVFINK
 RKTVS

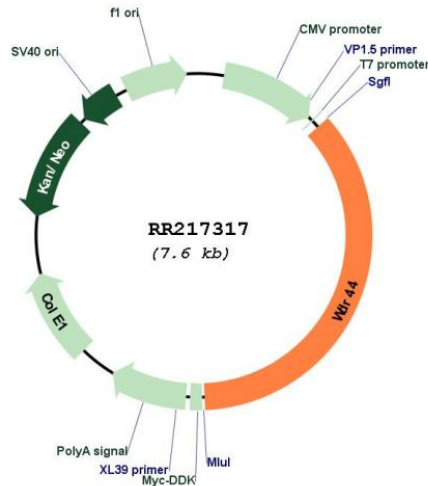
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:


ACCN: NM_001100823

ORF Size: 2745 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_001100823.1](#), [NP_001094293.1](#)

RefSeq Size: 4020 bp

RefSeq ORF: 2748 bp

Locus ID: 246152

Cytogenetics: Xq34

MW: 101.6 kDa

Gene Summary:

binds to GTP-Rab11; may be involved in regulation of transferrin accumulation and cell migration [RGD, Feb 2006]