

Product datasheet for **RN217317**

Wdr44 (NM_001100823) Rat Untagged Clone

Product data:

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



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Fully Sequenced ORF: >RN217317 representing NM_001100823
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGGCGTCGGAAGCGACACTGAGGAATTCATGATGCCCTGAAGATGTGCACCTGGGGGCGAGCTATC
 CTGTGGGGTCTCCAGGAAAGTTGGACTTTTATCATTCAAGGAAACAAAGAATACAGGAAACAAAGCTGG
 AAATGAGTCCCCTGTACAAGAATTGAGACAAGATGTATCTAAAAAGATAATTGAATGTATTATTAGGAA
 AGTCAGAAAGTACTACAATTGGAAGATGACTCTTTGGATTCCAAAGGAAAAGGACTTTCTGATCAGGCCA
 CTGCTAGTCATTCTGTGGCTGGGACAGAGTTTAGTAACATACCTGGACTATTAGCCATACAGCATGAACT
 ACAACAAGGTTCCAGAAAGGCAGACAGTCAGAATGCAGCTGAAGAACTGAACTAGAAACACAAAAATGT
 TTTCTTCTGATAACAACGTGTAGAAGAGTGAGAAGACAGAAGATGAACTAATAATTTAACTGAAGTAA
 GTTCAGCTGATCAGCTTGATGCTTCTAACTAGAACTGAAATATTGAACAAGGAAGCAGTGGAAGTCAA
 AGAAGGTGATGTTGTAATCCTGCATCCTCAGATGCTCTATCTACTAAAGATTTTCTGCTGTGGAAGAA
 GTGGCTCCCGCCAAACCCCAAGGCACCTTACTCCAGAACCTGATATAGTAGCCAGTACAAAGAAGCCTG
 TTCTGTCACGCCACCCCACTAATTTCCACCTCCTAGACCGCCACCTCCATCTCGACCTGCACC
 ACCACCAAGAAAAAGAAAAGTGACCTGGAGTTTGAGGCTCTTAAACACCTGATCTGGATGTACCCAAA
 GACAATATTGCATCTGATTCTCTGCTAACTACAAATATGGCTTCAGAAAGTACAGTTAGAGATTCTCTGC
 CTTCTCTCGATTTAGCAAGTGCTACCAGTGGAGATAAAATAGTTACTGCCAGGAAAATGGAAAAGCACC
 TGATGTGCAGACAGTAGCAGGTGAAGTATGGGCCCTCAGAGACCTAGATCCAACCTCTGGAAGAGAGCTT
 ACTGATGAGGAAATTTTAGCCAGTGTAAATGATTAAGAACCTGGATACTGGAGAAGAAATACCTTTAAGTC
 TTGCTGAAGAGAAGTTGCCACAGGTATTAATCCTCTCACCTGCACATCATGAGGAGCAAAAGGAGTA
 TGTAAAGCAATGATGCCACACAGTCAGATGATGAAGAAAAGTTACAGTCACAACAACAGATACTGACGGT
 GGAAGGTTAAACAGAAAACGACTCAACTAAAGAAATTCCTTGGAAAATCAGTAAAGAGAGCAAAAGCATC
 TTGCTGAGGAATATGGTGAACGTGCTATAAATAAAGTTAAAGTGAAGAGATGAAGTGTTCATACTGA
 TCAAGATGACCTTCATCAAGTATGATGAAGGAATGCCATATACAAGACCAGTAAATTCAGGCAGCG
 CATGGTTTCAAAGGACCTTATGATTTTGATCAGATCAAAGTGGTACAAGATCTTAGTGGTGAACACATGG
 GAGCTGTTTGACCATGAAATTTTCTCACTGTGGCCGTTACTTGCTCAGCTGGACAAGACAATATAGT
 GAGAATATGGGCTTTAAAAATGCTTTTGACTATTTCAACAATATGCGAATGAAATACAATACTGAAGGA
 CGTGTGTACCTTCACCATCTCAGGAAAGTCTAAGTTCATCAAAATCAGATACAGACATGGGGGTATGTA
 GTGGAACCTGACGAAGACCCAGATGACAAAAATGCACCTTTTCGGCAACGACCATTTTGCAAAATATAAGGG
 ACATACTGCTGATCTCCTTGATCTTTCTGGTCTAAAACTACTTTCTGCTCTCTTCTTCTATGGATAAA
 ACTGTCAGGTTATGGCACATTTCTAGAAGAGAATGCCTTTGCTGTTTTCAACACATAGATTTTGTCACTG
 CCATCGCTTTCCATCCAAGAGATGACAGATATTTCTCAGTGGATCATTGGATGGAAAGCTCCGCCTATG
 GAACATACCTGACAAAAAGTGGCTTTATGGAATGAAGTAGATGGTCAGACAAAGTTGATCACAGCTGCC
 AATTTTGTGAGAACGGCAAATATGCAGTAATTGGGACATATGATGGTAGATGATTTTCTATGATACAG
 AGCACTTGAAATACCATACACAAATACATGTACGATCTACTAGAGGGCGGAACAAGTTGGAAGAAAAAT
 TACTGGGATTGAACCTTTACCTGGGAAAAATAAGATATTGGTAACCTCAAATGACTCCAGAATCAGACTG
 TATGATCTGAGAGACCTATCACTGTCCATGAAGTATAAGGGTTATGTCAATAGCAGCAGCCAGATCAAAG
 CAAGTTTCAGCCATGACTTTACTTACCTCGTTAGCGGTTGAGAAGATAAATATGTTTATATCTGGAGTAC
 TTACCATGACCTAAGCAAGTTTACTTCAGTCAGGAGAGATCGTAATGACTTCTGGGAAGGTATTAAGCA
 CATAATGCAGTTGTACGTCAGCCATCTTGTCTCAAACCCAAGTTTGATGCTATCCTTGGATGTGAGT
 CTGAAAAATTGGAAGGGATTGATAAATGAAGATGCTGAAGTTTGGATAACACATCTACTGGTATCGT
 GAAGACAGATAACACAGAAGTTCTCTCTGCTGATTTTACTGGAGCAATCAAAGTGTATTAACAAA
 AGGAAAACGTATCT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001100823

Insert Size:	2748 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<u>NM_001100823.1, NP_001094293.1</u>
RefSeq Size:	4020 bp
RefSeq ORF:	2748 bp
Locus ID:	246152
Cytogenetics:	Xq34
Gene Summary:	binds to GTP-Rab11; may be involved in regulation of transferrin accumulation and cell migration [RGD, Feb 2006]