

Product datasheet for **RN208219**

Wdr78 (NM_001024786) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Wdr78 (NM_001024786) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Wdr78
Synonyms:	RGD1311027
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN208219 representing NM_001024786
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGCCAGCTCTCCGACAAGCACCCGTAAGCAGACCAACTTCACCGCAGTGTCTCCGCACAATCAAGGA
AGTCCATTAGCTTTGGTAACCCAAAATCAACCGAGGGAAAGGATATGCTGGTGCAAATCAAAGCAAAT
AGTCGCATCAAGAACCATGACTTTTTTACCCGAGATGAAGCCGGCAGAAAACTAAACATTGCTAGCGCC
AAATTGGTACAGGTGCTCGATCCACGAGGAGTTGATGTCACTCCCGACCTCTCTACCATCCAGATCCAC
ATGCCATGCCAACAAAGCCGAGCAAACCTTTGACATCACAAGAAGGATCGATGGGATCAGATTATTTTC
TTCCTACAGCCTGTATCAGAATACGTTAAACCCAGCATGTTAGGGCAGTACACGAGGTCAGTCATAGGG
AGCAGCAGTACAGTGTCTAAGTCAAGTATATCAACGACTGAATCAATGACAGAGGACCTGAAGATCCAT
CTTACAAAAGGGATAGATTGGCTAGTTTTGCAGATGTGCGAGTTATGAGGGCCCCAGCCGAGGCAGCTAT
AACAAAGGAAGAGCTGGAGAGGAATGTAGAAATCTTTCTCATGGAGACAGAACTCTGAGATTTTTTGAC
CTGCCAACAGTCATGATCTCAACAGACTCGGAAGAGGCTGAAAAAGTCATAGAAAAAATAAAATTATG
AAATCCTTTGTAGAAATAGATTAGGCAATGACTTATATGTAGAAAAGGATGATGCAGACATTTAATGGAGC
TCCAAAGAATAAAGATGTTCAAGTGTGACAAAATCATAATGGAAGAAAAAGGTGTAATGGCCACTACCTGG
GATTTGTATGATTTCTTCAACATTCAGAAGCTTCGCTAGCAGCAAAACGATCTGCATATTTAAGTAAAG
CAAGTTTACTTGTAGAGACCGGATCCAAAAATACAAGACAGCGAAAGCAGTTCCTTAATGGACATAGA
AAGTGAATCTGGCTAAAAGTCACGAGGATGAAGAAGACAACCTCAGAGAAGATACTGAAGTCCGATAAG
CTTCATCAGGACTATTTTACATGGAAGGGTTCTAATGGAATAATGTTTCAGCCGAAGCTCGCAGCCT
ACCGTCAACTCCCTATTTACAAAGAACTTGAACCTGGACAGCCTGAAGAAGATTTGCAAGTGGTAAACAA
GGTAACAGAGGATGAGGTGAAGAAGGATGAAGAAGAAGAAATGGAACCGAACTAGAGATAGAAATAACC
ACAGAACAGTCAACAATACCAGTAATTTGGAACGGCTCTGGTCTTTCTCCTGTGACTTAACTAAAGGCC
TCAACGTGAGCAGCCTTTCTGGAATAAAGCAAACCTCAGACCTTTTGGCTGTTGGCTATGGCAACTTTGG
ATTTAAAGAACAAAAAGAGGAATGGCTTGGCTGCTGGTCAATAAAGAACCCCATGTGGCCAGAGCGTATT
TACCAGAGTCCATATGGAGTTACTTCTGTGGACTTCTCAATCAGCTCACCTAATCTGCTAGCAGTCGGCT
ACCACAATGGCACCGTTGCGATTTATAACGTGCAGAGCAACCACAACACTCCAGTCTGGACAGTAGTGA
GTCACCTCAAAAACATTTGGGACCTGTTGGCAAGTGCAGTGGATAGAGCAGGACAGAGGAACTACCGGG
GATGATAGAAGAGAAATCTTGGTGTCTATATCAGCCGACGGAAGGATCTCCAATGGGTCATTTCGAAAAG
GACTGGATTGTCATGATTTGATGCACCTGAAGCGAACCCTGTTACAAGCAGCAAAAAGGGAATAGAAAA
GGAAAAGAAGGGCGAGGCCTTGATATCTCGACAGGCTCCTGGAATGTGCTTTGCTTTTACACCAAGGAC
ACAAACATCTATCTGGCCGGTACAGAAGAAGGCCTTATTCACAAGTGTCTTGTTCATACAATGAACAAT
ACCTAGAGACCTATAGAGGACATAAGGGTCCGGTGTATAAAGTACGTTGGAACCCGTTCTGCCCTGACGT
CTTCTTGAGCTGTTCTGCAGATTGGGGTGAATGATCTGGCACCAGGACAACGTGAAGCCGTTTTTTACT
TTTTACCAACTACTTACGTTGTTATGATGTTGCCTGGTCCCCCAAATCCGCATATATTTTTGCTGCTG
CAAATGAGAATAGAGTAGAGATTTGGGACCTTCAGATCAGCACTTTGGACCCTCTGATTGTGAATGTTGC
TAACCTGGAATCAAGTTTACAACCGTCTCTTTGCCAAGCAGACAGATTGCCTTCTAGTGGGAGACAGC
GACGGACAGTTCGAGTCTATGAGCTGAGAAATAGCCTACTCCTACGGAAAGTGGTCCGGGAGATGTAA
TCAACGTTCTGCTTGGGCCAAGGCAAAC**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_001024786
Insert Size: 2412 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).
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_001024786.1 , NP_001019957.1
RefSeq Size:	2669 bp
RefSeq ORF:	2412 bp
Locus ID:	313417
UniProt ID:	Q4V8G4
Cytogenetics:	5q33
Gene Summary:	Plays a critical role in the assembly of axonemal dynein complex, thereby playing a role in ciliary motility.[UniProtKB/Swiss-Prot Function]