

Product datasheet for **RN217487**

Wdr6 (NM_001006988) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Wdr6 (NM_001006988) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Wdr6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN217487 representing NM_001006988 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGACGCTTTCGGGACTATGTCTGGCCGCGGGCGACCTCCGAGCTCATACTCTCCCGGTACGGGTCTGGAGTGCCTGGGGACAGGCTGCTGGCGGGTGAGGGGCTGATTACTGGTGTACAACCTGGACTTTGGTGGCATCTCCGATGGTGAAACGAGTCCAGAACCTGCTGGTCACTATCTCATCCATGGGTTCCGAGTCAACAGAGCCCAAGGAGACCTGGACTCTGAGGCCATGATAGCAGTGTTGGGAGCAAGGGCCTCAGAGTTGTGAAAAAAGCTGGGGTCAAAGCCATCTCCGAGAGCTCTGGCGCTCTGGCCTGTGGAACATGTCCGACTGGGATGCGCGCTGGCTTGAGGGTAACGTAGCCCTGGCCTTGGGCCACAACCTCAGTGGTGCTCTATGATCCAGTGATAGGGTGCATGCTGCAGGATGTCCCCTGCACAGACAGGTGCACCCTCTCCTCTGCCTGCCTGATCGGCGACACCTGGAAGGAACCTGACCATAGTGGCAGGCGCCGTTTCCAACGAGCTCCTGGTGTGTATCCAGCAACTGCTTTACCAGACAACAACCTGTGGCACCTGACCGGCGGGTTAGTGGACACGTGGGTGTCATCTTTAGCATGTCATACCTGGAAAGCAAGGGCCTGTTGGCAACTGCCTCGGAGGATCGAAGCGTTCGTATCTGGAAAGTGGGCGACCTCCGGGTGCCTGGGGTTCGGGTTGAGAAATATTGGCCACTGCTTTGGGCA TAGTGCCCGTGTGTGGCAGGTAAAGCTCTTAGAGAACTATCTTATCAGTGCCGGAGAGGACTGTGTCTGCTTGGTGTGGAGCCACGAAGGTGAGATCCTTCAGGCCTTTCGCGGCCACCAGGGCCGAGGGATCCGGGCTA TAGCTGCGCATGAGAGGCAACCTGGGTGATCACTGGGGGAGACGACTCAGGCATTTCGGCTCTGGCACCTGGTAGGCCGAGGCTACCCAGGCCTGGGCGTCTCATCTCTGAGCTTCAAATCCCCTAGCCGCCAGGTGCCCTCAAGGCTGTGACTCTGGCTGGTTCTTGGCGAGTGCTGGCAGTGACTGATGTGGGGGCGCTGTACCTCTATGACCTTGAGGTCAAATGTTGGGAGCAGCTGTTGGAGGACAATCGATTTCAGTCTTACTGCCTGCTGGA GGCGGCTCCCGGCCCTGAGGGCTTTGACTCTGTGCCTTGGCCAAATGGGAGGGTCTTGTCAAGGTGCTTCCCATCAACACCCCACTGCTGCTGTTGACCAGAACCTGTTCCAGGGGAAGGTGCACAGCCTGAGCTGGGCCCTTCGTGGGTATGAAGAGCTTCTGCTGTTGGCCTCGGGCCTGGTGGGTAGTAGCTTGCTTAGAGATCTCGGCTGCACCCACTGGCAAAGCTATCTTGTCAAGGAACGGTGCCGGTATCTGCTTCCCCAAGCAAGCAGAGATGGCACACGTGTAGTGCTTCTACCCCGGGTGACTTCTTGTCTGTGGGACCGCCGTGGCTCTGTGCTGCTATTTCTGCCAGACCATGTCTGTTCAAAAACCCGGGGTGGGACCAAGGCTATCACTGC



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AGCTGAGGCGCCCAAGCCGGTAGCAGCAGCGGTGGGTCTGAGAGCGTTGTGACAGGATTAGGCCCGGTCTCTTCACTGCATTCTCTGCATGGGAAACAGGGTGTGACCTCAGTTACCTGCCACGGTGGCTACGTATACAGCAGGGCGTGATGGCTCCTACTACCAGCTCTTTGTTTCATGGTGGCCGCTCCAGCCAGTCCTAAGGCAAAAGCCTGCCGAGGCATGAAGTGGATAGCTGGGCTTCGGATGGCGCCGATGGAAGTATGGTCGCTTGGTTTCCATGCCAACGAGTTTGTAGTGTGGAGCCCGGGTCCCATGAGAAGCTGCACATCGTCAACTGCCGGGAGGGCACCCTCCTGGGCCCTTTCTGATACTGAGGCAGCCATGGCCTTGCCTACCTAAGGATGGTATGTCATGCTCTACCGGGCTCTAGGAGGCTGCATCAGGCCAAACGTGATTCTCCGGGAGGGTCTGCATGGCCGGGAAATCACATGTGTAAAGCGTGTGGGCACTGTTACCCTGGGCCCTGAATTTGAGGTACCAACTTGGAGCATCCTGACTCCCTGGAGCCTGGCAGTGAAGGGCCTGGTCTGATTGACATCGTGATAACAGGCAGTGAGGACACTACTGTCTGTGTGCTAGCACTTCCCACCACACAGGCGCAGCCACGCCCTCACTGCTGCTGTAAACCATATCTCCTCCGTGCGAGCCCTGGCAGTGTGGGGTGTGGCACCCAGGTGGCCACAGGATTCTACCCAGGGCTCACAGCTCAGGTAGTGTCTGCAGGGGGTGCAGCCGAGATGCACTGCTTCAGCCTCATGATCACTCCGGATGCCAGCACCCCAAGCCGCTTGCTGCCACATCATGCACCTTTCATCCACCGGCTAGATGAGTACTGGGACCGGCAGCGCAACCGGCACCGGATGATCAAGGTGGACCCTGAGACCAGGTACATGTCTTTGCCATTTGTGAGCTTGACTCCGATAGGCCTGGCCTTGGCCCCGGCCCCCTTGTGGCTGCAGCCTGTAGTGACGGGGCAGTGAGGCTTTTTCTCTTGACGAGCTCTGGGCGAATTCGCATCTCCTTGCTGAGACTTTCCACCATAAGCGGTGTGCTCCTCAAGGTCCATTCTGTTACACATGAGGCACCCCAACCAGCGTCGGAGGCTGATCCTGTGCACTGCAGCTACAGATGGCAGCATAGCCTTCTGGGATCTCACCACGGCAATGGACCGAGGCTCTACTACCCTGGAGCCTCCAGCACACCCTGGGCTTCCCTACCAGATGGGCACCCCTGCCTGACCGTCCAGGCCATAGCTGTGGTGTCAACAGCCTGCACACTTGCCTACACCTGAGGGCCATCATCTTGTGGCCGTGGCAGTGAGGACGGGTCCCTGCATGTCTTACGCTTGTGTGAAGATGCCAGAGCTGGAAGAGGCTGATGGGAGGCTGAGTTGGTGCCCCAGTTATGTGTCTAGATGAATATTCTGTCCCCTGTGCACATGCTGCCCATGTGACGGGCATCAAGATCCTAAGTCCCAAGCTGATGGTCTCAGCCTCCATAGACCAACGGCTGACCTCTGGCGTCTTGAAATGGTGAGCCACCTTCATGAATAGCACTGTGTACCACGTGCCAGATGTGGCTGACATGGACTGCTGGCCTGTGAACCCTGAGTTGGCCACCGCTGTGCTCTTGCGGGTGAGGACTCGAGGTTACAACCTGGTATGACTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_001006988
Insert Size:	3378 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: NM_001006988.2, NP_001006989.2

RefSeq Size: 4164 bp

RefSeq ORF: 3378 bp

Locus ID: 301007

UniProt ID: Q5XFW6

Cytogenetics: 8q32

Gene Summary: Enhances the STK11/LKB1-induced cell growth suppression activity. Negative regulator of amino acid starvation-induced autophagy.[UniProtKB/Swiss-Prot Function]