

## Product datasheet for MC223637

### Wdr6 (NM\_031392) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Wdr6 (NM_031392) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Wdr6
Synonyms:	mWDR6
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC223637 representing NM_031392 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGGACGCTTTCGGGACTATGTCTGGCCGCGGGCGACTCCGAGCTCACTCCTCCCGTTACGGGTC  
TGGAGTGTGTTGGGACAGGCTGCTGGCGGGCAGGGGCCTGATTTACTGGTGTACAACCTGGACCTTGG  
TGGGCATCTCCGAATGGTGAAGAGAGTCCAGAACCTGCTTGGTCACTTTCTCATCCATGGGTTCCGAGTG  
CGACCAGAGCCTAAAGGAGACCTGGACTCTGAGGCCATGATAGCTGTGTTGGGAGCAAGGCCTCAAAG  
TTGTGAAAGTCAGCTGGGGTCAAAGCCATCTTCGGGAGCTCTGGCGCTCTGGCCTGTGGAACATGTCGA  
CTGGATCTGGGATGTCCGCTGGATCGAGGGTAACGTAGCCGTGGCCTTGGGCCACAACCTCGGTGGTACTG  
TATGACCCAGTGATAGGGTGCATGCTGCAGGACGTCCCTGCACAGACAGGTGTACCCTGTCCCTCAGCCT  
GCCTGGTTGGTGACACCTGGAAGGAACTGACCATCGTGGCTGGCGCGGTTTCAAATGAGCTCCTGATCTG  
GTACCCAGCCACTGCTTTAACAGACAACAACCCGTGGCCCTGACCGCGGGTTAGTGGCCATGTGGGT  
GTCTCTGGAAGGTGGGGACCTCCGGTGCCTGGGGTTCGAGTTCAGAATATTGGCCACTGCTTTGGGCA  
CAGTGCCCGAGTGTGGCAGGTGAAGCTCTTAGAGAACTATCTCAGTGCAGGAGAAGACTGTGTCTGC  
TTGGTGTGGAGCCACGAAGGCGAGATCCTTCAAGCCTTTCGGGGCCACCGGGGCCGAGGTATCCGGGCCA  
TAGCCACTCACGAGAGGCAGGCCTGGTGGTCACTGGGGAGACGACTCAGGCATTGACTCTGGCACCT  
GGCAGGCCGAGGGTACCCAGGCTTGGCGTCTCATCCCTGTCTTCAAATCTCCTAGCCGGCCAGGTGCC  
CTCAAGGCTGTGACTCTGGCTGGTTCCTGGCGAGTCTGGCAGTGACTGATGTGGGGTCCCTGTACCTCT  
ACGACCTTGAGGTCAAGTCTGGAGCAGCTGCTGGAGGACAATCGCTTTCGGTCTTACTGCCTGCTAGA  
GGCAGCTCCTGGCCCGAGGGCTTGGACTCTGTGCCTTGCCAACGGGGAGGGTCTGTAAAGGTGGTT  
CCCATCAACACCCACCCTGCGTGCAGCAGAACTGTTCCAGGGGAAGGTGCACAGCCTGAGCTGGG  
CCCTTCGTGGTTACGAGGAGCTGCTTTTGTAGCATCGGGCCCTGGTGGGGTGATAGCTTGTGGAGAT  
CTCAGCTGCACCCACTGGCAAGGCTATCTTTGTCAAGGAACGTTGCCGGTACCTCCTCCCAAGCAAG  
CAACGATGGCACACATGTAGTGCTTTCCTGCCCGGGTACTTCTCGTCTGTGGGGACCGCGTGGCT



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CTGTGATGCTATTCCTGTGACACCATGTCTATTCAAAAAGCCTGGGGCCGGAAGCAAGGCTATTACTGC  
 AGCTGAGGCACCTGGAGCTGGTAGTGGGAGCGGTGGTCTGAGAGTGCCCAACAGGAATAGGCCCGCTC  
 TCTACACTCCATTCTCTGCATGGGAAACAGGGTGTGACCTCAGTTACCTGCCATGGTGGCTACCTATACA  
 GCACAGGGCGGGATAGCTCCTACTTCCAGCTCTTTGTACATGGCGGCCACCTCCAGCCGGTCTAAGGCA  
 GAAAGCCTGTGAGGCATGAACGGGTAGCTGGGCTTCGGATGGTGCCTGATGGAAGTATGGTCATCTTG  
 GGTTTCCATGCCAACGAGTTTGTAGTGTGGAGCCCCGGTCCCATGAGAAGCTGCATACGTCAACTGTG  
 GGGGAGGGCACCCCTCCTGGGCCTTTTCTGATACTGAGGCAGCCATGGCCTTTACCTACCTGAAGGATGG  
 TGAGGTCATGCTCTATCGGGCTTAGGTGGCTGCATCCGGCCCAATGTGATTCTCCGGGAGGGTCTGCAT  
 GGCCGTGAAATCACATGTGTAAGCGTGTGGGCACAGTGACCCTGGGCCCTGAATTTGAGGTACCCAAT  
 TGGAGCATCCTGACTCCCTGGAGCCTGGCAGTGAGGGGCCTGGTCTGATTGACATAGTGATAACAGGCAG  
 TGAGGACACTACTGTCTGTCTAGCACTTCCCACCACCAGGCTCAGCCCACGCCCTCACTTCTGTC  
 TGTAACCATATCTCCTCTGTGCGAGCCCTGGCAGTGTGGGCTGTTGGCACCCAGGTGGCCACAGGATA  
 CTCGACCAGGGCTCACTGCTCAGGTAGTGTCTGCAGGGGGCCGAGCGGAGATTCACTGCTTCAGCGTCAT  
 GGTCACTCCGGAGCTAGCACCCCCAGCCGCTTGCTGTGCATGCACCTTTCATCCCACCGGCTG  
 GATGAGTACTGGGACCGCAGCGGAACAAGCACAAGATGATCAAGGTGGACCCTGAGACCAGGTACATGT  
 CTCTTGCTATTTGTGAGCTTGACAACGATAGGCCCTGGCCTCGGCCCTGGCCCCCTGTGGCTGCAGCCTG  
 TAGTGATGGAGCAGTGAGGCTCTTCTCCTGCAGGACTCTGGGCGAATTCTGCATCTCCTAGCTGAGTCT  
 TTCCACCACAAGCGGTGTGTCCTCAAAGTCCACTCCTTACACATGAGGCACCTAACAGCGTCGGAGGC  
 TGATCCTGTGCAGTGCAGCTACAGATGGCAGCCTAGCCTTCTGGGATCTCACCACGGCAATGGACAAAGG  
 CTCTACTACCCTGGAGCTTCCAGCACACCCTGGGCTTCCCTACCAGATGGGCACCCCTCCATGACCGTG  
 CAAGCCCATAGCTGTGGCGTCAATAGCCTGCACACTTTGCCTACACCTGAGGGCCACCACCTTGTGGCCA  
 GTGGCAGTGAGGATGGGTCCTGCATGTCTTACACTTGTGTAAGATGCCAGAGCCGGAAGAAGCTGA  
 TGGGAGGCTGAGCTGGTGCCCCAGTTATGTGTCTAGAGGAATTTCCGTCCCCTGCACATGCTGCC  
 CATGTGACAGGCGTCAAGATCCTAAGTCCCAAGCTCATGGTCTCAGCCTCCATAGACCAGCGGCTGACCT  
 TCTGGCGTCTGGGACAGGGTGGCCACCTTTCATGAATAGCACTGTGTACCATGTGCCAGATGTGGCCGA  
 CATGGACTGCTGGCCTGTGAGCCCTGAGTTGGCCACCGTGTGCTCTGGCAGGTCAGGGACTTGAGGTT  
 TACAACCTGGTATGACTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_031392
- 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).
- 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\\_031392.2](#), [NP\\_113569.1](#)  
RefSeq Size: 4169 bp  
RefSeq ORF: 3378 bp  
Locus ID: 83669  
UniProt ID: [Q99ME2](#)  
Cytogenetics: 9 F2  
Gene Summary: Enhances the STK11/LKB1-induced cell growth suppression activity. Negative regulator of amino acid starvation-induced autophagy.[UniProtKB/Swiss-Prot Function]