

Product datasheet for **MC207597**

Wdr45b (NM_025793) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Wdr45b (NM_025793) Mouse Untagged Clone
Tag: Tag Free
Symbol: Wdr45b
Synonyms: 0610008N23Rik; AA408735; D16Bwg0193e; Wdr45l; WIPI-3
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >MC207597 representing NM_025793
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAACCTCCTGCCGTGAACCCCTCACGGCAACGGGCTGCTGTACGCCGGCTTCAACCAGGACCACGGGT
GTTTTGCATGTGGAATGGAAAATGGATTCCGAGTCTATAATACCGATCCACTCAAAGAAAAGAGAAAACA
AGAATTTTGAAGGAGGAGTTGGCCATGTGGAATGTTATTTTCGCTGTAACATTTAGCTTTAGTTGGT
GGTGGAAAAAACCGAAATACCCTCCCAACAAAGTGATGATCTGGGATGATCTGAAGAAGAAGACAGTCA
TCGAGATAGAATTCTCCACAGAGGTCAAGGCTGTCAAGTTGCGGAGAGATAGAATTGTGGTGGTTCTGGA
CTCCATGATTAAGGTGTTACGTTACACACAATCCCCACCAGTTGCACGCTTTTGAAACCTGCTACAAC
CCTAAAGGCCTCTGTGCTCTGTGCCAACAGTAACAACCTCCCTTCTTGCCCTCCCTGGCACTCACACTG
GCCACGTACAGCTTGTGGACCTGGCCAGCACTGAAAAGCCACCCGTGGACATTCCCGCACATGAGGGTGT
CCTGAGCTGTATTGCTCTCAACCTGCAGGGAACAAGAATTGCAACTGCATCTGAAAAAGGGACCCTTATA
AGAATATTTGATACTTCATCAGGGCATTAAATCCAGGAGCTACGAAGAGGATCTCAAGCAGCCAATATCT
ATTGCATCAACTCAATCAGGACGCTTCTCTCATCTGTGTGTCCAGTGATCATGGCACTGTGCACATTTT
TGCAGCCGAAGATCCAAAAAGGAATAAACAGTCTAGTTTGGCATCAGCCAGTTTCCTTCCAAAATACTTC
AGCTCCAAGTGGAGTTTTTCCAAGTTTCAGGTTCCCTTCAGGCTCACCATGCATCTGTGCCCTTGGAAACG
AGCCCAATGCAGTCATTGCTATCTGTGCAGATGGCAGCTACTACAAGTTCCCTGTTTCAGTCCGAAGGCCGA
GTGTGTCCGGACGTGTGTGCACAGTTCCTGGAGATGACCGATGACAAGCT**GTGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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ACCN:	NM_025793
Insert Size:	1035 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_025793.3 , NP_080069.2
RefSeq Size:	2344 bp
RefSeq ORF:	1035 bp
Locus ID:	66840
UniProt ID:	Q9CR39
Cytogenetics:	11 85.24 cM
Gene Summary:	Component of the autophagy machinery that controls the major intracellular degradation process by which cytoplasmic materials are packaged into autophagosomes and delivered to lysosomes for degradation. Binds phosphatidylinositol 3-phosphate (PtdIns3P) forming on membranes of the endoplasmic reticulum upon activation of the upstream ULK1 and PI3 kinases and is recruited at phagophore assembly sites where it regulates the elongation of nascent phagophores downstream of WIPI2. In the cellular response to starvation, may also function together with the TSC1-TSC2 complex and RB1CC1 in the inhibition of the mTORC1 signaling pathway.[UniProtKB/Swiss-Prot Function]