

Product datasheet for **MC223759**

Washc5 (NM_153548) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Washc5 (NM_153548) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Washc5
Synonyms:	AL022848; C76463; E430025E21Rik; Kiaa0196; mKIAA0196; strumpellin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC223759 representing NM_153548 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGC**C

ATGTTGGACTTCTGGCTGAGAATAATCTCTGTGGCCAGGCCATCCTGAGGATCGTCTCCTGTGGCAATG
CCATCATTGCCGAGGTGCTGCGCTCTCTGAGTTCATTCTGCTGTGTTCTGCTGAAAGACCGGGCTGA
CCAGCAGAGATATGGAGACATCATCTTTGACTTCAGCTACTTTAAGGGTCCAGAGTTCTGGGAAAGCAAA
CTGGAAGCCAAGCCTGAGCTGCAGGATTTAGATGAAGAATTTCCGGGAAAACAACATAGAAATCGTGACCA
GATTTTATTTAGCCTTTCAAAGTGTGCATAAATACATTGTAGACTTAAACAGATACCTCGATGACCTCAA
TGAAGGAGTTTATATTACGAAACCTTAGAAACCGTGCTTCTCAGTGAAGATGGAAAACAACCTTCTATGT
GAAGCCCTGACTTATATGGAGTTATGCTGCTTGTCAATCGACCAGAAGATTGAAGGAGAAGTCAGAGAGA
GAATGCTGGTTTCTTACTATCGATACAGTGTGCTCGGTCTCTGCTGACTCAAACATGGATGATATCTG
TAAGTGTACGAAGCACAGGATATCCAGCCAGCCAGGAGCCAAAAGACCACCAACTATCCTGAGAGC
TATTTCCAGAGAGTGCCTATCAACGAGACGTTTCATCAGCATGGTTCATCGGACGCCCTGAGGTCTGATGACA
TTTACAACAGGTCTCTGCCTACCCGCTGCCGAGCACCGCAGCACTGCCCTGGCCAATCAAGCCGCCAT
GCTCTACGTGATTCTCTATTTTGAACCTTCCATTCTTACACCCACCAAGCAAAAATGAGAGAGATCGTG
GATAAGTACTTTCCAGATAAAGTGGTAATCAGCATCTATATGGGTATCACTGTTAATCTAGCTGATGCCT
GGGAACCTTACAAAGCTGCGAAAACCTGCTCTCAACAACACCCCTTGACCTCGCAAATGTCAAAGAAGCAGGC
AAGCAGATACGCTAGTGTGAGCAGAGAGTGCAGCTCAGGTGCAGCAGTTTCTGAAAGAGGGCTACCTG
AGGGAGGAGGTGCTTCTGGACAACATCCCAGGCTGCTGAACTGCCTGAGAGACTGCAATGTCGCCATCC
GCTGGCTAATGCTCCACACAGCCGACTCAGCCTGTGACCCAAACAACAAGCGCCTTCGTCAAATCAAGGA
CCAGATTCTGGCAGACTTAGGTACAATCCAAGATCCTTCCAGTTGCTATTGGACTGCACAATTC
GAGTTTATACTCAAAGAGATGTTCAAGCAAATGCTTTCCGAGAAAACAGTCCAAGTGGGAGCATTACAAGA
AGGAGGGCTCTGAGCGCATGACCGAGCTTGTGACGTCTTTTCAGGGGTGAAACCACTAACCCGAGTGGA
GAAAAACGAAAATCTTCAAGCTTGGTTCAAGAGATCTCAAAAACAATACTGTCTCTAAATTATGATGAT
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TGGAATCAAATCTACAAGTTTGCCAGTTTCTAGCTGACACCCGAAAGTTTCTCCATCAAATGATCAGAAC
 CATCAACATCAAGGAGGAAGTCTGATCACAGTGCAGATCATCGGGGACCTTTCCCTTGCCAGTTA
 ATTGACAGTTTACATCCATCATGCAAGAAAGCATAAAGGGTAAACCCATCCATGGTTACCAAACCTCAGAG
 CCACGTTCTAAAGCTTGCCCTGACCCTGACCTGCTACGTATTAATCAAGCAAATAGCCCTGA
 TCTCCTCAGTGTCTCAGTATTATTCAGGAGAATTGGTGTATACGTGAGAAAGGTTTTGCAGATCATT
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 CACGCTGGACAAGACAAGCTGCGGGACTACGCTCAGCTTGGCCCGAGATATGAGGTTGCCAAGCTCAC
 TCAGCCATCTCCATCTTACTGAGGGCATCTTGATGATGAAAACGACCCTGGTGGGCATCATCAAGGTG
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 GGGGACTGATATTCAACCCTCGTGCCAAGCCAAGTGAAGTTGATGCCCAAACCTGAAAGAGCTGGGGCCAC
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 CAGGAGGAAGTCTCTCGTATTATAAATTATAACGTGGAACAGGAGTGAATAACTTTAAGAACAAGA
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 GACCAGCTGAACACTTGGTATGACGTGAAAACCTCATCAAGAAGTGACCAGCAGTCGCCTCTTCTCAGAAA
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 GCTACAGAATTTCTCAGTATGTTTCAGAAAATTATCCTGAAAGAGAGAAGTGTCAAGAAACTTTAAAG
 ATGCTCATGAGTGTGTTAACCTCTAAAGAGCATAGTGGCAAATTAAGTAAAGTTTATCTTTCTGCCA
 TCACCAAAACACAGAAGATCTGGAGTGCTTACCTGGAGGCTATAATGAAGGTTGGACAGATGCAGATCCT
 GAGACAACAGATCGCCAATGAGCTAAACTTCTCTGTCGATTTGATTCCAGACATCTGGCAGCTGCCCTG
 GATAATCTCAATAAGGCTCTCTGGCAGACATCGAAGCCCACTACCGGGACCTTCGCTTCTTACCCCA
 AAGAAGATAACACACTTTATATGAAATCACAGCCTATCTGGAGGCGGCTGGCATTACACAACCCCTGAA
 TAAGATTTACATAACAACGAAGCGCTTACCCTATTTCCGATTGTCACTTTCTGTTTTGATCGCGCAG
 TTGCCAAAACCTCAGTATAACAAAAATCTAGGCATGGTCTGCCGGAAGCCTGCCGACCCTGTTGACTGGC
 CACCGCTCGTCTAGGTCTGCTCAGCTGCTGAAGCAGTTCCTCCCGGTACACCGAGCAATTCCTGGC
 ACTGATTGGCCAGTTTATTGCTCCACAATGGAGCAGTGCACAAGCCAGAAGATGCCTGAAATGCCTGCA
 GATGCTGTGGGCGCCCTTCTCTTCTGGAGGATTATGTTCCGATACAAAACCTCCCCGAAGGTTGGCTG
 AAGCCCATGTGCCTAATTCATTTTTGATGAATCCGAACAGTCTGTGA

AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-RsrII
- ACCN:** NM_153548
- Insert Size:** 3480 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_153548.2](#), [NP_705776.2](#)

RefSeq Size: 4038 bp

RefSeq ORF: 3480 bp

Locus ID: 223593

UniProt ID: [Q8C2E7](#)

Cytogenetics: 15 D1

Gene Summary: Acts at least in part as component of the WASH core complex whose assembly at the surface of endosomes seems to inhibit WASH nucleation-promoting factor (NPF) activity in recruiting and activating the Arp2/3 complex to induce actin polymerization, and which is involved in regulation of the fission of tubules that serve as transport intermediates during endosome sorting. May be involved in axonal outgrowth. Involved in cellular localization of ADRB2. Involved in cellular trafficking of BLOC-1 complex cargos such as ATP7A and VAMP7 (By similarity). Involved in cytokinesis and following polar body extrusion during oocyte meiotic maturation (PubMed:24998208).[UniProtKB/Swiss-Prot Function]