

Product datasheet for **MC223843**

Washc4 (NM_001033375) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Washc4 (NM_001033375) Mouse Untagged Clone
Tag: Tag Free
Symbol: Washc4
Synonyms: A230046K03Rik; AA589518; Kiaa1033; mKIAA1033
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC223843 representing NM_001033375
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCCGTGGACACTCTGTCGCCCGACTGGGACTTCGACCGCGTGGACGACGGCTCTCAGAAAATTCATG
 CTGAAGTCCAGCTGAAGAAGTACGGGAGGTTTCCTTGAGGAGTACACATCTCAGCTGAGAAGAATTGAGGA
 CGCCCTAGATGATTTGATTGGCGATGTTGGGATTTCAATCTTGATCCTATAGCATTAAAGCTTCTGCC
 TATGAGCAGTCTCCCTTTGGAACTCATAAAGACTGAAAACAAGGTCCGAACAAAGTCATCAGCTGTT
 ATGCGGCACTTTGTTGCGAGATCAAGAAATTAATAATAGAGGCAGAACTAAGTTTTACAATGGTCTTCT
 GTTTTATGGTGAAGGAGCTACAGATTCCAGCATGGTGAAGGTGACTGCCAAATTCAAATGGGGAGATTC
 GTTTCAATCTTACAGGAACTGTCTGCTTTGTGACGAGGTGCTACGAAGTGGTGAATGTCATCCACC
 AGCTGGCTGCCCTGTACATCAGCAACAAGATAGGACCCAAAATATAGAGACAACGGAGTTCATTTTCA
 GACTATGTATGAGCACTGGGAGAACTGCTAACAGTTTTACTTACCCTGGATGAGATTGTTGATAATCAT
 GTCACGCTGAAAGACCACTGGACTATGTACAAAAGTTGCTGAAATCTGTCCATCACAACCCTTCAAAAT
 TTGGGATTCAGGAAGAAAAGTTAAAGCCCTTTGAGAAGTTCTTGCTGAAGCTGGAAGGCGAGTTACTTGA
 TGAATGATATTTTCAGGCCTGTATCGAACAGCAGTTTGATTCTCTCAATGGAGGAATATCTGTGTGAAAA
 AATAGCACGTTTGCAGAAGATTTGCACATAGCATTTCGCTCAATTTTTGCAAATGTGGAAGCCAAGCTTG
 GTGAGCCTTCTGAAATTGACCAGAGAGACAAGTATGTTGGAATTTGTGGGCTCTTTGACTGCACTTTCA
 GATTTTTCGGACTGTTGATAAAAAGTTTATAAGTCTTTATTGGACATTTGTAAGAAGGTGCCAGCCATC
 ACTTTAACTGCTAATATTTGGTTTCTGATAATTTCTGATTCATAAAAATGCCAGCAGCTGCCAAAC
 TTCTAGACAGAAAAGTCTTCAAGCCATTAATAACACAGGGATACCTTCTACAGCAGAAAGCTCAGTC
 ACTTAACAAAGATGTGCAGTCTTACTACGTCTTTGTGAGCTCATGGATGATGAAGATGGAGTCTATGTTA
 TCTAAAGAGCAGAGGATGGATACATTTGCTGAAGACCTCACCAACAGATGCAATGTTTTTCATACAGGGTT
 TCTTATATGCATATAGTATTAGTACCATTATTAAGACCACAATGAATCTCTACATGTCCATGCAGAAGCC
 TATGACCAAAACCTCAGTGAAGGCATTATGCAGGCTCATTGAACTTCTCAAGGCAATAGAGCATATGTTCC
 TACAGGAGAAGCATGTTGTGGCGGATTCGGTGTACATATAACACAGCACCTTCAACATCAGGCTCTTA



GTTCTATTTCTGTAGCCAAGAAAAGAGTAATTTTCAGACAAAAATATAGTGAACAGCGTCTTGATGTGCT
 ATCTGCTCTTGTGGCTGAAAACACCTTAAATGGACCAAGCACAAAACAACGACGACTTATTGTTCT
 TTGGCATTGAGCGTTGGCACGCAAAATGAAAACATTTAAAGATGAAGAAGCTTTCCCTTCAAGTAGTCA
 TGAAGAAGCTGGATCTTATCAGCGAGCTTAGAGAGCGAGTCCAAGCACAGTGTGACTGCTGTTTTTATA
 CTGGCATCGCGCTGTCTCCCGATTTATTTAGATGATGTATATGAAAATGCTGTCGATGCAGCCAGATTA
 CATTACATGTTTCAGTGCCTTACGAGACTGTGTCCTGCCATGATGCATTCAAGGCATTTAGAGTCCCATG
 AGCTGCTTTGGATTGCTATGACAAGGAAATCATGGACATTTTAAATGAGCATTGCTGGATAAGCTGTG
 TAAGGAGATCGAGAAGGACTTGC GGCTTTCTGTGCATACTCACTTGAAGCTGGATGACCGGAACCCCTTC
 AAAGTTGGCAGGAAAGACTTGGCGCTCTTTTTCTCTGTAACCCTATTCGGTTTTCAATCGATTATTG
 ATATTCGAGCTTATGTAACCTACTATCTGGATAAGACTTTCTACAATCTCACAACAGTAGCTCTTCATGA
 TTGGGCCACTTACAGTGAATGAGAAATCTGGCTACGCAGCGTTATGGTTGGTTATGACAGAGGCACAT
 CTTCTAGCCAGACTTTGGAGCAGGACTCGATGTCCTGGAAATTATGAGAAACATTACATATTTGTCT
 CAAGATACCTCTATAATCTCAATAACCAGATTTTTATTGAACGGACAAGCAACAATAACATTTGAATC
 TATTAATATTCGACACATTGCTAATTCGATTGCAACACATGGGACGGGGATCATGAATACAACAGTTAAT
 TTCACGTACCAGTTTTTAAAAAGAAGTTCTATATTTAGTCAGTTTATGTATGATGAGCATATCAAAAT
 CCAGATTGATTAAGATATTCGGTTTTTCAGGGAGATCAAGGACCAAAAATGACCACAAGTATCCTTTTGA
 TAGAGCAGAAAAATTCAATCGTGGCATAAGAAAACCTTGAATCACACCAGAGGGACAGAGCTACCTTGAC
 CAGTTCAGGCAGCTCATCAGCCAGATTGGTAATGCTATGGGCTATATACGCATGATAAGATCTGGTGGTC
 TTCATTGTAGCAGCAATGCCATTAGATTCGTGCCGGATCTTGAAGACATTGTGAGTTTTGAAGAGCTCGT
 GAAAGAAGAAGGGCTTGCAGAAGAAACACTTAGAGCAGCCAGGCATTTGGACTCAGTCTCAGTGATCAT
 ACACGGAACCTGCTGAAGGTACAGAATATTTCAAATGCTTGTAGATGTTTTGCTCCAGAATTCGAA
 GGCCAAAGAATATACATCTCCGAAATTTCTATATCATTGTTCTCCTCTTACTCTGAACTTTGTAGAACA
 TTCTATAAGTTGCAAAGAGAAGTTGAATAAAAAAATAAACTAGGAGCTGCATTTACTGACGATGGTTTT
 GCCATGGGTGTGGCTTATACCTTAAAGCTTTTGGATCAGTACCAAGAGTTTGATTCACTTATTGGTTCC
 AGTCTGTTAGAGAAAAATACATAAAGGAGATCAGAGCAGTTGCTAAGCAACAGAACGTGCAGTCAACTAG
 TCAAGATGAAAAACTACTCAAACCATGAACCTTACTCAGAAGCGACTGGAGGTCTATTTACAGGAATTT
 GAGCTGCTGTATTTCTCCTTGGCAGTGAAGAATATTCTTCAGAGCAGACAAGACCGCAGCTGAAGAGA
 ACCAAGAAAAGAAAGAGAAGGAAGAAGAAACTAAAACAAGCAATGGAGATGGACCCGAGAGCACTGTGTC
 TGCAGATCCCCTGGTGAATGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_001033375
- Insert Size:** 3522 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_001033375.2](#), [NP_001028547.2](#)

RefSeq Size: 5863 bp

RefSeq ORF: 3522 bp

Locus ID: 319277

UniProt ID: [Q3UMB9](#)

Cytogenetics: 10 C1

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 (PubMed:19922875).[UniProtKB/Swiss-Prot Function]