

Product datasheet for **MC218716**

Whdc1 (BC050804) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Whdc1 (BC050804) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Whdc1
Synonyms:	MGC51670, mKIAA1971
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >BC050804
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGTAGCATTAAATGAAAGTTTATCAAGAGGAAGATGAGCTCTATCAAGAATTAGTTACCATGGCAACCA
 CATTCTTCCAGTATTTACTGCAGCCATTTAGAGACATGCGAGAAGTTGCAACTTCATGTAAGCTTGGTAT
 TTTGAAGTCCCTGGATGAGGATGAGCTGGGTCCTAGAAGGGTGGCTGCCCTACAGAAAGGAAGCCAGTGAA
 TGGACCAGACAGGCTGAAGAAGCAGTGGGCTCTATCCAAGACATCACTGTGAATTATTTAAAGAAACAG
 TAACAGCACTAACAGGAATGCAGAAACAAATGGAGCAGGATCAGAAGAGATTTGGCCAGGCTGCCTGGGC
 CACAGCCATGCCAGGCTAGAAAATCTCAAGCTCATGTTAGCTCGGGAGACTCTGCAGCTTATGAGAGCC
 AAAGAGCTGTGTCTAAAACACAGGCAAGCTGAAATCCAGAGAAAGGTGGAAGATCTCCGCGCAAGGAA
 AGCAGTTAGATGTTGTGGATGAGCTGGAGATACAGTGTTATGAGATCCAGTTGGAGTTGTATGATGTCAA
 GCTTGAGATGCTGAGAAATGAGGAGACAATCCTTGTACGCGGTTGGACTCTGTTAAGAGACTTATAACA
 GAGAAGCAGGCTGAAGTGATCTACTACGACCCGTGTGAGAGCCCCGAGGAGCTGCAGAGCCTGGCTCCTG
 ACCTGGAAGTGCACCTTGGTGACAACAGAGAGCTGAGAGCACTCAGCCAGCAGTGCAGCGGCTGGAGGC
 TCAGCGGGGCCGATCTGCTCCAGGAGAGCCCTCCTTAGGAACAGAAAGGATCACTGCCGAGAAAATCAT
 CAGCTCAGACTGCAGCAGGCCAAACAAAGTCTGAGACACCTTCACCAGCACCACAGTATTCAAATGAAGA
 GAGACAAAGTAAAAGAGGAAGAACAAGAAAAAGAAAGATGGATAGACCATGAACGCCAGAAAACCTTGA
 GCGGCTAAGAGCATATAAGGAGAAGTCCCGGCTCATCGTCTGCACTGAAAACAACCTTGTTCAGAGTCC
 ATGGTGTCAAACCTGCCAGGTACCACCTCATCAGAATTTAGGGCTCAGGACTTTGGCAACAGAGGACCGGC
 CACTCCCCTAGCGTGTGACCCATCTGCTGGGAGACCATGTGACTACCAGGGTCCAGGCTCTATGGATGA
 AGTGTCTGGCCTCTCTCCGGCAGGGCAAAGCCTCTCTCCGAAAGTAGAAAACGCCACCTTGCCCCATCCT
 GGCACCTCAGTCAATGAACAAGTTCTGGTGCCATCAGACAGGGCGTGCAGCTGAAGAAAGTCCACACGG
 GCCAAGGTGTGGATCCCGGCAAGAAGAGCACCAGCGACCTGGAGAGGAGCATCAGAGAAGCCTGGAGAG
 AATCAAGAAAGTTTCTGCCGACTCAGAGGAGGACAATGATGAGCCGAGCCCCACTGAGTGGGACCGCTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: BC050804

Insert Size: 1470 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: [BC050804](#), [AAH50804](#)

RefSeq Size: 2039 bp

RefSeq ORF: 1469 bp

Locus ID: 434204

Cytogenetics: 7 D3

Gene Summary: Acts as a nucleation-promoting factor (NPF) that stimulates Arp2/3-mediated actin polymerization both at the Golgi apparatus and along tubular membranes. Involved as a regulator of Golgi positioning and morphology. Its activity in membrane tubulation requires F-actin and interaction with microtubules. Proposed to use coordinated actin-nucleating and microtubule-binding activities of distinct WHAMM molecules to drive membrane tubule elongation; when MT-bound can recruit and remodel membrane vesicles but is prevented to activate the Arp2/3 complex. Required for RhoD-dependent actin reorganization such as in cell adhesion and cell migration (By similarity). Participates in vesicle transport between the reticulum endoplasmic and the Golgi complex.[UniProtKB/Swiss-Prot Function]