

Product datasheet for **MR207836**

Whdc1 (BC050804) Mouse Tagged ORF Clone

Product data:

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



[View online »](#)

ORF Nucleotide Sequence:

>MR207836 representing BC050804
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGTAGCATTAAATGAAAGTTTATCAAGAGGAAGATGAGCTCTATCAAGAATTAGTTACCATGGCAACCA
 CATTCTCCAGTATTTACTGCAGCCATTTAGAGACATGCGAGAAGTTGCAACTTCATGTAAGCTTGGTAT
 TTTGAAGTCCCTGGATGAGGATGAGCTGGGTCCTAGAAGGGTGGCTGCCCTACAGAAAGGAAGCCAGTGAA
 TGGACCAGACAGGCTGAAGAAGCAGTGGGCTCTATCCAAGACATCACTGTGAATTATTTAAAGAAACAG
 TAACAGCACTAACAGGAATGCAGAAACAAATGGAGCAGGATCAGAAGAGATTTGGCCAGGCTGCCTGGGC
 CACAGCCATGCCAGGCTAGAAAATCTCAAGCTCATGTTAGCTCGGGAGACTCTGCAGCTTATGAGAGCC
 AAAGAGCTGTGTCTAAAACACAGGCAAGCTGAAATCCAGAGAAAGGTGGAAGATCTCCGCGCAAGGAA
 AGCAGTTAGATGTTGTGGATGAGCTGGAGATACAGTGTATGAGATCCAGTTGGAGTTGATGATGTCAA
 GCTTGAGATGCTGAGAAATGAGGAGACAATCCTTGTACGCGGTTGGACTCTGTTAAGAGACTTATAACA
 GAGAAGCAGGCTGAAGTATCTACTACGACCCGTGTGAGAGCCCCGAGGAGCTGCAGAGCCCTGGCTCCTG
 ACCTGGAAGTGCACCTTGGTGACAACAGAGAGCTGAGAGCACTCAGCCAGCAGTGCACGCGGCTGGAGGC
 TCAGCGGGGCCGATCTGCTCCAGGAGAGCCCTCCTTAGGAACAGAAAGGATCACTGCCGAGAAAATCAT
 CAGCTCAGACTGCAGCAGGCCAAACAAAGTCTGAGACACCTTCACCAGCACACAGTATTCAAATGAAGA
 GAGACAAAGTAAAAGAGGAAGAACAAGAAAAAGAAATGGATAGACCATGAACGCCAGAAAACCCCTTGA
 GCGGCTAAGAGCATATAAGGAGAAGTCCCGGCTCATCGTCTGCACTGAAAACAACCTGTTTCAGAGTCC
 ATGGTGTCAAACCTGCCAGTACCCTCATCAGAATTTAGGGCTCAGGACTTTGGCAACAGAGGACCCGGC
 CACTCCCCTAGCGTGTGACCCATCTGCTGGGAGACCATGTGACTACCAGGTCAGGCTATGGATGA
 AGTGTGCGCTCTCTCCGGCAGGGCAAAGCCTCTCTCCGAAAGTAGAAAACGCCACCTTGCCCCATCCT
 GGCACCTCAGTCAATGAACAAGTTCTGGCTGCCATCAGACAGGGCGTGCAGCTGAAGAAAGTCCACACGG
 GCCAAGGTGTGGATCCCGCAAGAAGAGCACCAGCAGCTGGAGAGGAGCATCAGAGAAGCCCTGGAGAG
 AATCAAGAAAGTTTCTGCCGACTCAGAGGAGGACAATGATGAGCCGAGCCCCACTGAGTGGGACCGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207836 representing BC050804
 Red=Cloning site Green=Tags(s)

MVALMKVYQEEDEL YQELVTMATTFYQYLLQPFRDMREVATSKLGIKLSLDEDELGPRRVAALQKEASE
 WTRQAEAEVGSIQDITVNYFKETVTAL TGMQKQMEQDQKRFQAAWATAMPRL ENLKLMLARETLQLMRA
 KELCLKHRQAEIQRKVEDLPRQKQLDVVDELEIQCYEIQLELYDVKLEMLRNEETILVTRLDSVKRLIT
 EKQAEVIYYDPCE SPEELQSLAPDLEHLGDNRELRALSQQQRLEAQRGRICSRRALLRNRKDHCRENH
 QLRLQQAKQSLRHLHQHHSIQMKRDKVKEEQKKKEWIDHERQKTLERL RAYKEKCPAHRSAKTTCSSES
 MVSNLPGTTHQNLGLRTLATEDRPLPLACDPSAGRPCDYQGPMSMDEVLASLRQKASLRKVETPTLPHF
 GTSVNEQVLAAIRQGVQLKVKVHTGQGVDPGKSTSDLERSIREALERIKKVSADSEEDNDEPSPTEWDR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

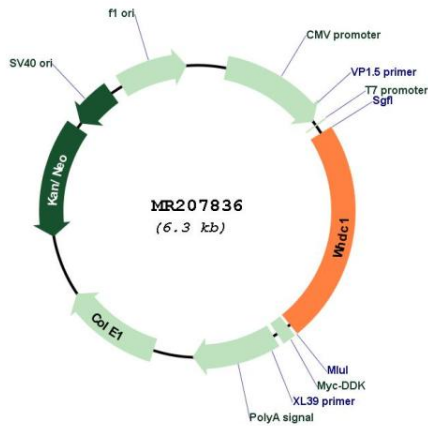
Restriction Sites:

Sgfl-MluI

MW: 74.7 kDa

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]

Product images:



Circular map for MR207836