

Product datasheet for **MG207836**

Whdc1 (BC050804) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Whdc1 (BC050804) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Whdc1
Synonyms:	MGC51670, mKIAA1971
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG207836 representing BC050804
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGTAGCATTAAATGAAAGTTTATCAAGAGGAAGATGAGCTCTATCAAGAATTAGTTACCATGGCAACCA
 CATTCTCCAGTATTTACTGCAGCCATTTAGAGACATGCCAGAAGTTGCAACTTCATGTAAGCTTGGTAT
 TTTGAAGTCCCTGGATGAGGATGAGCTGGGTCCTAGAAGGGTGGCTGCCCTACAGAAAGGAAGCCAGTGAA
 TGGACCAGACAGGCTGAAGAAGCAGTGGGCTCTATCCAAGACATCACTGTGAATTATTTAAAGAAACAG
 TAACAGCACTAACAGGAATGCAGAAACAAATGGAGCAGGATCAGAAGAGATTTGGCCAGGCTGCCTGGGC
 CACAGCCATGCCAGGCTAGAAAATCTCAAGCTCATGTTAGCTCGGGAGACTCTGCAGCTTATGAGAGCC
 AAAGAGCTGTGTCTAAAACACAGGCAAGCTGAAATCCAGAGAAAGGTGGAAGATCTCCGCGCCAAGGAA
 AGCAGTTAGATGTTGTGGATGAGCTGGAGATACAGTGTATGAGATCCAGTTGGAGTTGATGATGTCAA
 GCTTGAGATGCTGAGAAATGAGGAGACAATCCTTGTACGCGGTTGGACTCTGTTAAGAGACTTATAACA
 GAGAAGCAGGCTGAAGTATCTACTACGACCCGTGTGAGAGCCCCGAGGAGCTGCAGAGCCCTGGCTCCTG
 ACCTGGAAGTGCACCTTGGTGACAACAGAGAGCTGAGAGCACTCAGCCAGCAGTGCAGCGGCTGGAGGC
 TCAGCGGGGCCGATCTGCTCCAGGAGAGCCCTCCTTAGGAACAGAAAGGATCACTGCCGAGAAAATCAT
 CAGCTCAGACTGCAGCAGGCCAAACAAAGTCTGAGACACCTTCACCAGCACACAGTATTCAAATGAAGA
 GAGACAAAGTAAAAGAGGAAGAACAAGAAAAAGAAATGGATAGACCATGAACGCCAGAAAACCTTGA
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 CACTCCCCTAGCGTGTGACCCATCTGCTGGGAGACCATGTGACTACCAGGTCAGGCTCATGGATGA
 AGTGCTGGCCTCTCTCCGGCAGGCAAAAGCCTCTCTCCGAAAGTAGAAAACGCCACCTTGCCCCATCCT
 GGCACCTCAGTCAATGAACAAGTTCTGGCTGCCATCAGACAGGGCGTGCAGCTGAAGAAAGTCCACACGG
 GCCAAGGTGTGGATCCCGCAAGAAGAGCACCAGCACCTGGAGAGGAGCATCAGAGAAGCCCTGGAGAG
 AATCAAGAAAGTTTCTGCCGACTCAGAGGAGGACAATGATGAGCCGAGCCCCACTGAGTGGGACCGC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG207836 representing BC050804
 Red=Cloning site Green=Tags(s)

MVALMKVYQEEDEL YQELVTMATFFQYLLQPFDMREVATSKLGLKSLDEDELGPRRVAALQKEASE
 WTRQAEAVGSIQDITVNYFKETVTAL TGMQKQMEQDKRFGQAAWATAMPRLNLKMLARETLQLMRA
 KELCLKHRQAEIQRKVEDLPRQKQLDVVDELEIQCYEIQLELYDVKLEMLRNEETILVTRLDSVKRLIT
 EKQAEVIYYDPCE SPEELQSLAPDLEHLGDNRELRALSQQQRLEAQRGRICSRRALLRNRKDHCRENH
 QLRLLQAKQSLRHLHQHHSIQMKRDKVKEEQKKKEWIDHERQKTLERLRAYKEKCPAHRSAKTKTTCSSES
 MVSNLPGTTHQNLGLRRLATEDRPLPLACDPSAGRPCDYQGPMSMDEVLASLRQKASLRKVETPTLPHP
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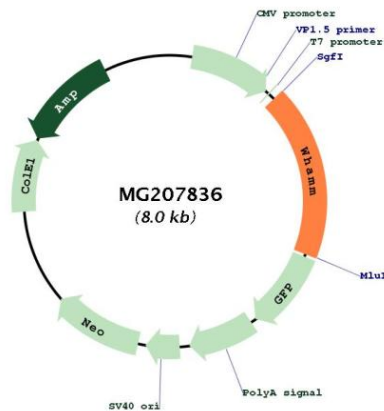
TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

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 MG207836