

Product datasheet for **MR207836L4V**

Whdc1 (BC050804) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

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|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Type: | Lentiviral Particles |
| Product Name: | Whdc1 (BC050804) Mouse Tagged ORF Clone Lentiviral Particle |
| Symbol: | Whdc1 |
| Synonyms: | MGC51670, mKIAA1971 |
| Mammalian Cell Selection: | Puromycin |
| Vector: | pLenti-C-mGFP-P2A-Puro (PS100093) |
| Tag: | mGFP |
| ACCN: | BC050804 |
| ORF Size: | 1467 bp |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(MR207836). |
| OTI Disclaimer: | The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info |
| OTI Annotation: | This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene. |
| RefSeq: | BC050804.1 |
| RefSeq Size: | 2039 bp |
| RefSeq ORF: | 1469 bp |
| Locus ID: | 434204 |
| Cytogenetics: | 7 D3 |



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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]