

Product datasheet for **MR202510**

Wif1 (BC004048) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Wif1 (BC004048) Mouse Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | Wif1 |
| Synonyms: | AW107799; WIF-1 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| ORF Nucleotide Sequence: | >MR202510 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTCAGCCAGCCTGACCTCAAGGGCACGTCTTTACGCCTTGTCTCTCTGGTGCAGCTGAGTGTC
CCGGAGGGTGTGAAATGGAGGCTTTTGTAAACGAAAGGCGGGTCTGCGAGTGCCGGATGGGTTCTACGG
GCCTCACTGTGAGAAAGCCCTGTGCATACCCCGATGTATGAACGGTGGTCTGTGTGCTCACTCCTGGCTTC
TGCATCTGCCCCCTGGATTCTACGGTGTCAACTGTGACAAAGCAAAGTCTCAACCACCTGCTTTAATG
GAGGGACCTGCTTTTACCGGAAAATGTATTTGCCCTCCTGGACTCGAGGGAGAGCAGTGTGAAGTCAAG
CAAATGCCCCCAACCCTGCCGAAATGGAGGTAATGCATTGGTAAAAGCAAGTGAAGTGCCCGAAAGGT
TACCAAGGAGACCTGTGCTCTAAGCCCGTCTGCGAGCCTGGCTGTGGTGGCCACGGAACCTGCCACGAAC
CCAACAAGTGCCAGTGTGAGAGGGCTGGCACGGCAGACACTGCAATAAGAGGTATGGAGCCAGCCTCAT
GCATGCCCGAGGCCAGCAGGCGCCGGCTGGAGCGACACACGCCTTCACTTAAAAAGGCTGAGGATAGA
AGGGATCCACCTGAATCCAATTACATCTGG

ACGCGTACGCGGCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR202510 protein sequence
Red=Cloning site Green=Tags(s)

MAQPSLTSRARLYALFLSGAAECPGGCRNGGFCNERRVCECPDGFYGPHEKALCIPRCMNGGLCVTPGF
 CICPPGFYGVNCDKANCSTTCFNGGTCFYPGKICPPGLEGEQCELSKCPQPCRNGGKICGKSKCKCPKG
 YQGDLCSPVCEPGCGAHTCHEPNKCQCREGWHGRHCNKRYGASLMHAPRPAGAGLERHTPSLKKAEDR
 RDPPESNYIW

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



ACCN: BC004048

ORF Size: 660 bp

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.

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: [BC004048](#), [AAH04048](#)

RefSeq Size: 1526 bp

RefSeq ORF: 662 bp

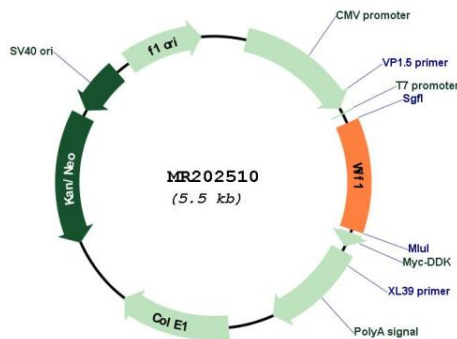
Locus ID: 24117

Cytogenetics: 10 D2

MW: 23.7 kDa

Gene Summary: Binds to WNT proteins and inhibits their activities. May be involved in mesoderm segmentation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR202510