

Product datasheet for **MG202510**

Wif1 (BC004048) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Wif1 (BC004048) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Wif1
Synonyms:	AW107799; WIF-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG202510 representing BC004048 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTCAGCCAGCCTGACCTCAAGGGCACGTCTTTACGCCCTGTTTCTCTCTGGTGCAGCTGAGTGTC
CCGGAGGGTGTGAAATGGAGGCTTTTGTAAACGAAAGGCGGGTCTGCGAGTGCCGGATGGGTTCTACGG
GCCTCACTGTGAGAAAGCCCTGTGCATACCCCGATGTATGAACGGTGGTCTGTGTGCTCACTCCTGGCTTC
TGCATCTGCCCCCTGGATTCTACGGTGTCAACTGTGACAAAGCAAAGTCTCAACCACCTGCTTTAATG
GAGGGACCTGCTTTTACCGGGAAAATGTATTTGCCCTCCTGGACTCGAGGGAGAGCAGTGTGAAGTCAAGT
CAAATGCCCCCAACCCTGCCGAAATGGAGGTAAATGCATTGGTAAAAGCAAGTGTAAAGTGCCCGAAAGGT
TACCAAGGAGACCTGTGCTCTAAGCCCGTCTGCGAGCCTGGCTGTGGTGGCCACGGAACCTGCCACGAAC
CCAACAAGTGCCAGTGTGAGAGGGCTGGCAGCGCAGACACTGCAATAAGAGGTATGGAGCCAGCCTCAT
GCATGCCCCGAGGCCAGCAGGCGCCGGGCTGGAGCGACACACGCCTTCACTTAAAAAGGCTGAGGATAGA
AGGGATCCACCTGAATCCAATTACATCTGG

ACGCGTACGCGGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG202510 representing BC004048
 Red=Cloning site Green=Tags(s)

MAQPSLTSRARLYALFLSGAAECPGGCRNGGFCNERRVCECPDGFYGPHEKALCIPRCMNGGLCVTPGF
 CICPPGFYGVNCDKANCSTTCFNGGTCFYPGKICPPGLEGEQCELSKCPQPCRNGGKICGKSKCKCPKG
 YQGDLCSPVCEPGCGAHGTCHEPNKCQCREGWHGRHCNKRYGASLMHAPRPAGAGLERHTPSLKKAEADR
 RDPPESNYIW

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: BC004048

ORF Size: 662 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: 1550 bp

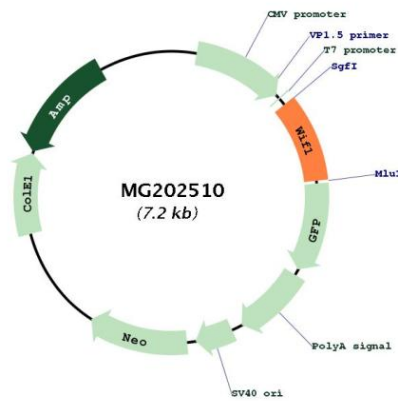
RefSeq ORF: 662 bp

Locus ID: 24117

Cytogenetics: 10 D2

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 MG202510