

Product datasheet for MR205919

Wif1 (NM_011915) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Wif1 (NM_011915) 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:	>MR205919 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTCGGAGAAGAGCCTTCCCTGCTTTCGCGCTCCGGCTCTGGAGCATCCTACCTTGCCTGCTCCTGC
TGCGAGCGGATGCAGGGCAGCCACCTGAGGAGAGCTTGTACCTGTGGATCGACGCCCATCAGGCTAGAGT
GCTCATAGGATTTGAAGAAGACATTCTGATTGTCTCGGAGGGGAAAATGGCCCCTTTACACATGATTTT
AGGAAAGCCCAACAAGAATGCCAGCCATTCTGTCAATATCCACTCCATGAATTTTACCTGGCAAGCTG
CGGGCAGGCAGAATACTTCTACGAGTTCCTGTCTCTGCGCTCCCTGGATAAAGGCATCATGGCAGATCC
AACTGTCAATGTCCCTCTGCTGGAACAGTGCCTCACAAGGCATCAGTTGTTCAAGTTGGTTTCCCGTGT
CTCGGCAAAACAAGACGGGTAGCAGCATTGAAGTGAATGTGATTGTCATGAATTCTGAAGGCAACACCA
TCCTTAGGACCCCTCAGAATGCTATCTTCTTAAAAACATGTCAACAAGCTGAGTGTCCCGGAGGGTGTGC
AAATGGAGGCTTTTGTAAACGAAAGGCGGGTCTGCGAGTGTCCGGATGGTTTCTACGGCCTCACTGTGAG
AAAGCCCTGTGCATACCCGATGTATGAACGGTGGTCTGTGTGCTCACTCCTGGCTTCTGCATCTGCCCC
CTGGATTCTACGGTGTCAACTGTGACAAAGCAAAGTGTCAACCACCTGCTTAAATGGAGGGACCTGCTT
TTACCCGGGAAAATGTATTTGCCCTCCTGGACTCGAGGGAGAGCAGTGTGAAGTCAAGGTTACCAAGGAGAC
CCCTGCCGAAATGGAGGTAATGCATTGGTAAAAGCAAGTGAAGTCCCGAAAGGTTACCAAGGAGAC
TGTGCTCTAAGCCGCTCTGCGAGCCTGGCTGTGGTGCCACGGAACCTGCCACGAACCCAAGTGCCA
GTGTGAGAGGGCTGGCACGGCAGACACTGCAATAAGAGGTATGGAGCCAGCCTCATGCATGCCCGAGG
CCAGCAGGCGCCGGGCTGGAGCGACACAGCCTTCACTTAAAAAGGCTGAGGATAGAAGGGATCCACCTG
AATCCAATTACATCTGG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >MR205919 protein sequence
 Red=Cloning site Green=Tags(s)

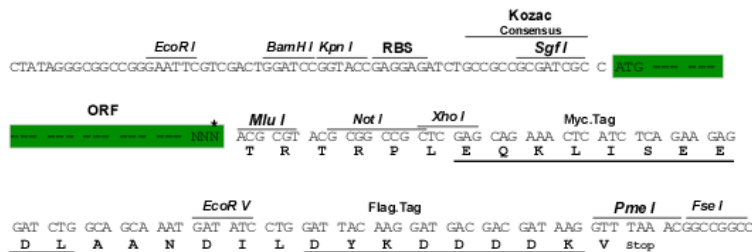
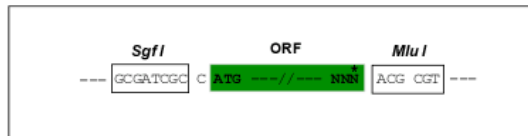
MARRRAFPAFALRLWSILPCLLLLADAGQPPEESLYLWIDAHQARVLIGFEEDILIVSEGKMAPFTHDF
 RKAQQRMPAIPVNIHSMNFTWQAGQAEYFYEFLSLRSLDKGIMADPTVNVPLLGTVPHKASVVQVGFPC
 LGKQDGVAAFEVNVIVMNSEGNTILRTPQNAIFFKTCQQAECPPGCRNGGFCNERRVCECPDGFYGPHE
 KALCIPRCMNGGLCVTPGFICPPGFYGVNCDKANCSTTCFNGGTCFYPGKCICPPGLEGEQCELKCPQ
 PCRNGGKCI GKSKCKPKGYQGDLCSKPVCEPGCGAHGTCHEPNKCQCREGWHGRHCNKRYGASLMHAPR
 PAGAGLERHTPSLKAEDRRDPPESNYIW

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_011915

ORF Size: 1140 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: [NM_011915.1](#), [NM_011915.2](#), [NP_036045.1](#)

RefSeq Size: 2242 bp

RefSeq ORF: 1140 bp

Locus ID: 24117

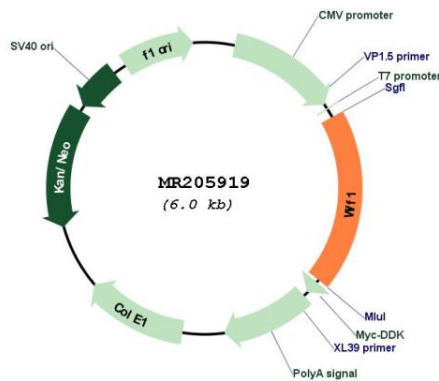
UniProt ID: [Q9WUA1](#)

Cytogenetics: 10 D2

MW: 41.6 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 MR205919