

Product datasheet for **RR201224**

Wif1 (NM_053738) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Wif1 (NM_053738) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Wif1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR201224 representing NM_053738 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCCGGAGAAGAGCCTTCCCTGCTTTCGTGCTCCGGCTCTGGAGCATCCTACCTTGCCTGCTCCTGC
TACGAGCGGATGCAGGGCAGCCGCCAGAGGAGAGCTTGTACCTGTGGATCGACGCCCATCAGGCCAGAGT
ACTCATAGGATTTGAAGAAGATATTCTGATTGTCTCGGAGGGGAAAATGGCCCCCTTACACATGATTTT
AGGAAAGCCCAACAAAGAATGCCAGCCATCCCCTCAATATCCACTCCATGAATTTTACCTGGCAAGCTT
CAGGGCAGGCAGAGTACTTCTATGAGTTCCTGTCGCTGCGCTGGATAAAGGCATCATGGCAGACCC
AACTGTCAATGTCCCTCGCTGGGAACAGTGCCTCACAAGGCATCAGTTGTTCAAGTTGGTTTCCCGTGT
CTCGGCAAAACAGGATGGGGTGGCAGCATTGAAGTGAATGTGATTGTCATGAATTCTGAAGCAACCCCA
TCCTTCGGACCCCTCAAATGCTATCTTCTTTAAACATGTCAACAAGCTGAGTGCCAGGAGGGTGTGC
AAATGGAGGCTTTTGTAAACGAAAGGCGGGTCTGCGAGTGTCCCGATGGTTCTATGGACCTCACTGTGAG
AAAGCCCTCTGCATACCTCGATGTATGAACGGTGGTCTGTGTGCTCACTCCTGGCTTCTGCATCTGCCCGC
CTGGATTCTACGGTGTCAACTGTGACAAAGCAAAGTCTCGGCCACCTGCTTTAATGGAGGGACCTGTTT
TTACCCAGGAAAATGATTTGCCCTCCAGGACTTGAGGGAGAGCAGTGTGAAGTCAAGTCAAGTCAAGTCAAGT
CCCTGCCGAAACGGAGGTAATGCATTGGTAAAAGCAAGTCTGTCTGCGAGCCTGGCTGCGGTGCCATG
GAACCTGCCACGAACCAACAAATGCCAGTGTGAGAGGGCTGGCATGGGAGACACTGCAATAAAAGGTA
CGGAGCCAGCCTCATGCATGCCCGAGGCCAGCAGGCGCCGGGCTGGAGCGGCACACGCCTTCACTTAA
AAGGCTGAGGGGCGGAGGGATCCACCTGAATCCAATTACATCTGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR201224 representing NM_053738
Red=Cloning site Green=Tags(s)

MARRRAFPAPVLRRLWSILPCLLLLADAGQPPEESLYLWIDAHQARVLIGFEEDILIVSEGKMAPFTHDF
 RKAQQRMPAIPVNIHSMNFTWQASGQAEYFYEFLSLRSLDKGIMADPTVNVPRLGTVPHKASVVQVGFPC
 LGKQDGVAAFEVNVIVMNSEGNPILRTPQNAIFFKTCQQAECPPGCRNGGFCNERRVCECPDGFYGPHE
 KALCIPRCMNGGLCVTPGFCICPPGFYGVNCDKANCSATCFNGGTCFYPGKCICPPGLEGEQCELSKCPQ
 PCRNGGKCI GKSKSVCEPGCGAHGTCHPEPNKCQCREGWHGRHCKRYGASLMHAPRPAGAGLERHTPSLK
 KAEGRDRPPESNYIW

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja2357_a08.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_053738

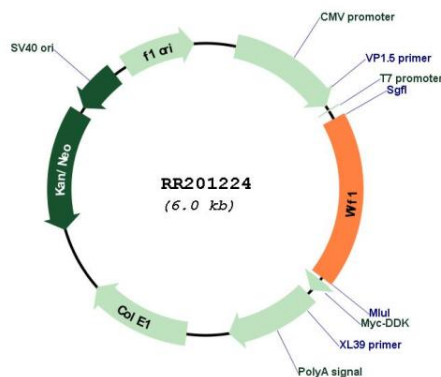
ORF Size: 1095 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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:	<ol style="list-style-type: none">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_053738.1 , NP_446190.1
RefSeq Size:	2182 bp
RefSeq ORF:	1098 bp
Locus ID:	114557
UniProt ID:	Q6IN38
Cytogenetics:	7q22
MW:	40.5 kDa
Gene Summary:	human homolog has decreased mRNA expression in some prostate cancers and other cancers; may act as a secreted inhibitor of the Wnt signaling pathway [RGD, Feb 2006]

Product images:



Circular map for RR201224