

Product datasheet for **RR208339**

Irf1 (NM_012591) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Irf1 (NM_012591) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Irf1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR208339 representing NM_012591 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGC**C

ATGCCTATCACTCGGATGCGAATGAGACCTGGCTAGAGATGCAGATTAATTCCAACCAATTCCAGGGC
TGAGCTGGATCAATAAAGAAGAGATGATCTTCCAGATCCCATGGAAGCATGCTGCCTTGACGGTTGGGA
TATCAACAAGGATGCCTGTCTGTTCCGGAGCTGGGCCATTACACAGGCCGATACAAAGCTGGGGAAAAA
GAGCCAGATCCCAAGACTTGGAAGGCAAACCTCCGGTGTGCCATGAACTCCCTACCAGACATCGAGGAAG
TGAAGGACCAGAGCAGGAACAAGGGCAGCTCTGCTGTACGCGTGTACCGGATGCTGCCACCCCTCACAA
GAACCAGAGGAAAGAGAGAAAGTCCAAGTCCAGCCGTGACACTAAGAGCAAAACCAAGAGGAAGCTGTGC
GGAGATTCTAGCCCTGACACCTTATCTGACGGACTGAGCAGCTCTACTCTGCCTGATGACCACAGCAGTT
ACACAGCTCAGGGATACCTGGTCAGGACTTGGACATGGACAGGGACATTACCCAGCTCTGTCACCGTG
CGTCGTCAGCAGCAGTCTCTCTGAGTGGCATAATGCAGATGGACATCATGCCAGACAGCACCCTGATCTG
TACAACCTGCAGGTGTCGCCATGCCCTCCACCTCTGAAGCTGCAACAGATGAGGATGAGGAAGGGAAGT
TACCTGAGGACATCATGAAGCTCTTTGAACAGTCTGAGTGGCAGCCGACGCACGTGGATGGCAAGGATA
CTTGCTCAATGAACCAGGAGCCCAACTCTACTGTCTATGGAGACTTCAGCTGCAAGGAGGAACCAAGAG
ATCGACAGCCCTGGAGGGGACATCGAGATAGGCATACAGCGTGTCTTACAGAGATGAAGAATATGGACC
CCGTATGTGGATGGACACCCTGCTGGGCAACTCTACCAGGCCGCCCTCCATTACGGCTATTCTTGTGTC
ACCA

AG**GCGACCG**ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA



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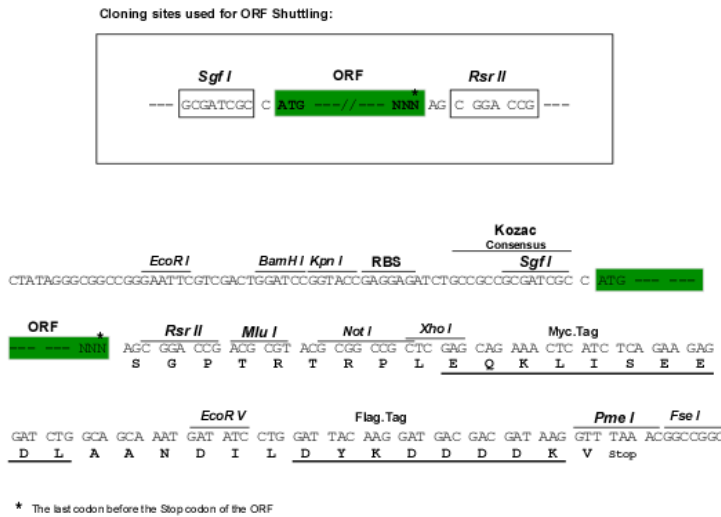
Protein Sequence: >RR208339 representing NM_012591
 Red=Cloning site Green=Tags(s)

MPITRMRMRPWLEMQINSNQIPLSWINKEEMIFQIPWKHAALHGWDINKDACLFRSWAIHTGRYKAGEK
 EPDPKTWKANFRFCAMNSLPDIEEVKQSRNKGSSAVRVYRMLPPLTKNQRKERKSKSSRDTKSKTKRKLK
 GDSSPDTLSDGLSSSTLPDDHSSYTAQGYLGQDLMDRDITPALSPCVVSSSLSEWHMQMDIMPDSTDDL
 YNLQVSPMPSTSEAATDEDEEGKLPEDIMKLEQSEWQPTHVDGKGYLLNEPGAQLSTVYGDVFSCKEEPE
 IDSPGGDIEIGIQRVFTMKNMMPVMWMDTLLGNSTRPPSIQAIPCAP

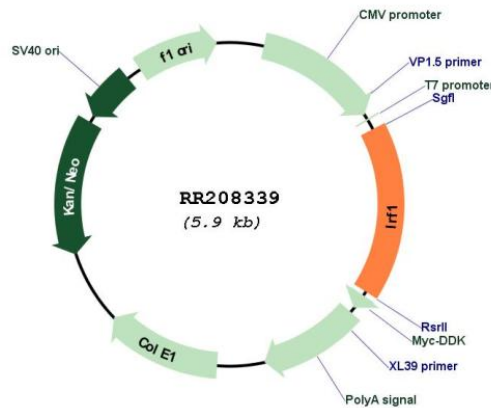
SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-RsrII

Cloning Scheme:



Plasmid Map:



ACCN: NM_012591

ORF Size:	984 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:	<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_012591.1 , NP_036723.1
RefSeq Size:	2078 bp
RefSeq ORF:	987 bp
Locus ID:	24508
UniProt ID:	P23570
Cytogenetics:	10q22
MW:	37.1 kDa
Gene Summary:	stimulates cell proliferation and regulates growth-inhibitory interferon genes [RGD, Feb 2006]