

## Product datasheet for RR212616

### Irf4 (NM\_001106108) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Irf4 (NM\_001106108) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Irf4  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR212616 representing NM\_001106108  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCCGATCGCC

ATGAACCTGGAGACGGGCAGCCGGGCTCAGAGTTCGGCATGAGCGGGTGAGCTGCGGCAACGGGAAAC  
TCAGACAGTGGCTGATCGACCAGATCGACAGCGGCAAGTACCCCGGCTGGTGTGGGAGAACCAGGAGAA  
GAGCGTCTCCGCATCCCGTGGAAACACGCGGGCAAACAGGACTACAACCGGGAGGAGGACGACGCCCTC  
TTCAAGGCTTGGCACTATTTAAAGCAAGTTCGAGAAGGGATTGACAAGCCAGATCCTCCTACTTGGA  
AGACAAGATTACGATGCGCTCTGAACAAGCAATGACTTTGAGGAACTGGTAGAGAGGAGTCAGCTGGA  
TATCTCCGACCCATAAAGTCTACAGGATTGTTCCAGAGGGAGCCAAAAAGGAGCAAAGCAGCTCACT  
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AGCAGTTTCATAACTACATGATGCCACCCATGACAGGAGCTGGAGGGATTATGCCCTGACCAGTCACA  
CCCAGAAATCCCATATCAATGTCCTGTGACGTTTGGCCCGCGGCCACCACTGGCAAAGCCCATCTTGT  
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GAGGAAGCTCATCAGCTCATGTGGAACCTCTGCTAGCCAGACAAGTATTTTTTGTCAACAAAAC  
AGTGGACATTTCTGAGGGCTATGAATTACCTGAACACATTAGCACTCCAGATTACCACGGTCCCTCC  
GTCATTCTCCATCCAAGAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
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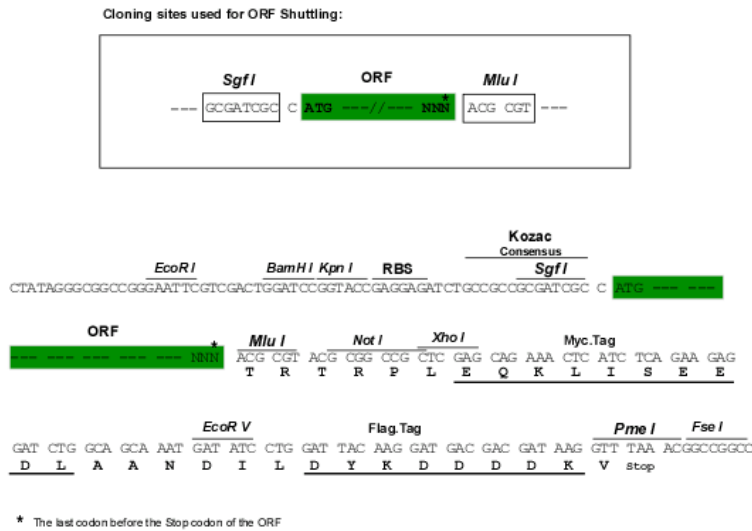
**Protein Sequence:** >RR212616 representing NM\_001106108  
 Red=Cloning site Green=Tags(s)

MNLETGSRGSEFGMSAVSCGNGKLRQWLIDQIDSGKYPLVWENEESVFRIPWKHAGKQDYNREEDAAL  
 FKAWALFKGKFRREGIDKDPPTWKTRLRCALNKSNDFEELVERSQLDISDPYKVYRIVPEGAKKGAKQLT  
 LEDTQMAMGHPYPM TAPYGLPTQQVHNYMPPHDSWRDYAPDQSHPEIPYQCPVTFGPRGHHWQSPSC  
 ENGCQVTGTFYACAPPESQAPGIPIEPSIRSAEALALSDCRLHICLYYRDILVKELTTSSPEGCRISHGH  
 TYDVSNLDQVLFYPYDDNGQRKNIEKLLSHLERGLVLMAPDGLYAKRLCQSRIYWDGPLALSSDRPNKL  
 ERDHTCKLFDTQQFLSELQVFAHHGRPAPRFQVTLCFGEFFPDPQRQRKLITAHVEPLLARQLYFFAQQN  
 SGHFLRGYELPEHISTPDYHRSLRHSSIQE

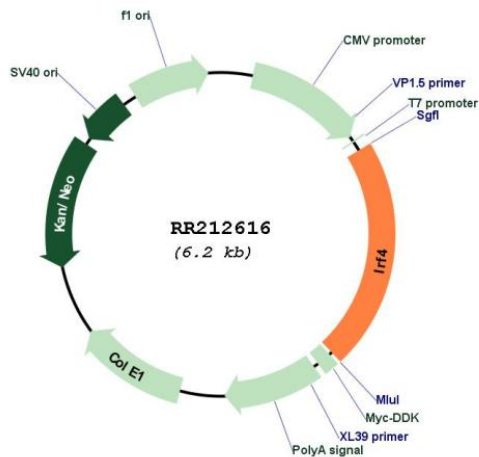
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



<b>ACCN:</b>	NM_001106108
<b>ORF Size:</b>	1350 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001106108.1</a> , <a href="#">NP_001099578.1</a>
<b>RefSeq Size:</b>	4804 bp
<b>RefSeq ORF:</b>	1353 bp
<b>Locus ID:</b>	291100
<b>Cytogenetics:</b>	17p12
<b>MW:</b>	51.6 kDa