

## Product datasheet for **RR211610**

### Irf7 (NM\_001033691) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Irf7 (NM_001033691) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Irf7
Synonyms:	MGC125013
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RR211610 representing NM\_001033691  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCCGAAGTGAGGGGGTCCAGCGAGTCTGTTCGGAGACTGGCTCTTGGGTGAGGTCAGTAGTGGCC  
 GGTACGAGGGGCTGCAGTGGCTGAATGAGGCTCACACAGTCTTCCGTGTGCCCTGGAAGCATTTCAGCCG  
 TAGGGATCTGGATGAAGCTGATGCACAGATCTTCAAGGCCTGGGCTGTGGCCCGAGGGAGGTGGCCACCT  
 AGTGGAGTAACTTACCACCCAGAGGCTGAGGCTGCTGAGCGAAGAGGCTGGAAGACCAACTCCGAT  
 GTGCACTCCGCAGCACAGGGCGCTTTATCTTGCCTCAAGACAAGTCAAGGACCTGCTGATCCGCACAA  
 GGTGTATGAAGTACCCCGAGCTTGGATCTACAAGTGGCCAGCTCTGGAGAAGAGGAAAGTACAGTACC  
 CTCAGCAGTGGCCCTACCCACACAGGGTATGTCCCTAGGATCATTCTGGCAAGAGGAAATGCTGGGTTGC  
 AAACCCCAAGCCCTCTGCTTTCTGGTATGCTGGGGACCTCTTGTTCAGGTTCTGCAATACAGCCACCT  
 ACTGGACTCTGAGTCTAGGGCGGACTCAGTCCCACCACAGGCTTCTGGCCAGGAGCAAGAACACCTTCTCT  
 GAGGAGCCCATGCAGCATGGCAGATGGAAGCTACCTCCAGCCCAAGGCTTCAACACCCAGTTCTGATGA  
 CTGAGCGCAACCTTGGGTCCCTGGATGTGACCATCATGTACAAGGGCCGCACAGTCTACAGGCAATGGT  
 GGGCACCCAGATGCGTGTTCCTGTATAGCCCGTGGGCTCAGCAATAAGAACTTACAGCCCAAGCCG  
 GTGATTTTTCCGAGCCCGCTGAGCTCCAGATCAGAAGCAGCTGCACTACACAGAGACTCTCTACAGC  
 ATGTGTCTCCAGGCTTCCAGTGGAGCTTCGGGGGCCATCACTATGGGCCTGCGAATGGGCAAGTGCAA  
 GGTGTACTGGGAGGTGGGAGCCCTATGGGCTCCACCAACCCCTCACCCAGCCAGCTGCTGGAGCGC  
 AACTGCCATACTCCCATCTTTGACTTCAGCACTTTCTCCGAGAAGTGGAGGAGTCCGGGCCCGGAGGC  
 GACAAGGATCACACATTACACCATCTACCTGGGTTTTGGCAAGACTTGTGAGCAGGAGGCCCAAGGA  
 GAAGAGCCTGATCCTGGTGAAGCTGGAGCCATGGCTGTGCAAGACACATCTGGAAGGCGTGCAGCGTGAG  
 GGTGTGCTCTCTGGACAGCAGCAGTCTTGGCCTGTGCTTGTCTAGCACCAATAGTCTCTACGATGACA  
 TTGAACACTTCTCATGGACCTGGGTGAGTGGGCT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR211610 representing NM\_001033691  
 Red=Cloning site Green=Tags(s)

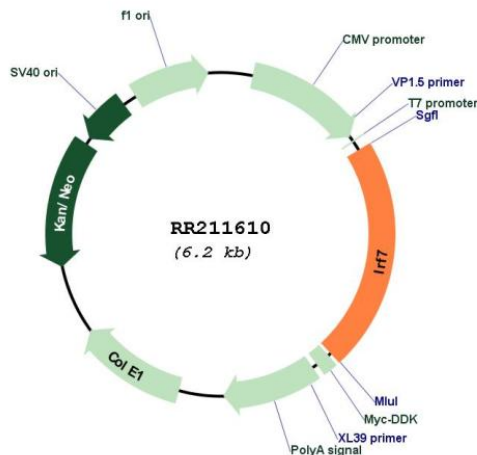
MAEVRGVQRVLFQDWLLGEVSSGRYEGLQWLNEAHTVFRVPWKHFSSRRDLDEADAQIFKAWAVARGRWPP  
 SGVNLPPPEAEAAERRGKTNFRALRSTGRFILRQDNSGDPADPHKVYELSPELGSTTGPALENREEVT  
 LSSALPTQGMSLGSFLARGNAGLQTPSPLLSGDAGDLLLQVLQYSHLLDSESRADSVPPQASGQEQEHL  
 EEPHAAWQMEATSSPRLQHPVLMTERNLGSLDVTIMYKGRVTLQAMVGHPRCVFLYSPVGSAIRTSEPQP  
 VIFPSPAELPDQQLHYTETLLQHVSPGLQELRGPSTLWALRMGKCKVYWEVGSMPGSTNPSTPAQLLER  
 NCHTPIFDFFSTFFRELEEFRRRRRQGSPHYTIYLGFGQDL SAGRPKEKSLILVKLEPWLCKTHLEGVQRE  
 GVSSLDSSSLGLCLSSSTNSLYDDIEHFLMDLGQWA

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**

**Plasmid Map:**


**ACCN:** NM\_001033691

**ORF Size:** 1365 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\\_001033691.1](#), [NP\\_001028863.1](#)

**RefSeq Size:** 1985 bp

**RefSeq ORF:** 1368 bp

**Locus ID:** 293624

**Cytogenetics:** 1q41

**MW:** 50.7 kDa