

Product datasheet for **MC215946**

Irf4 (NM_013674) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Irf4 (NM_013674) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Irf4
Synonyms:	AI385587; IRF-4; LSIRF; NF-EM5; Spip
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC215946 representing NM_013674
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAACCTGGAGACGGGACGCCGGGCTCAGAGTTCGGCATGAGCGCAGTGAGCTGCGGCAATGGGAAAC
 TCCGACAGTGGTTGATCGACCAGATCGACAGCGCAAGTACCCCGGCTGGTGTGGGAGAACGAGGAGAA
 GAGCGTCTCCGCATCCCGTGGAAACACCGGGCAAGCAGGACTACAATCGTGAGGAGGACGCTGCCCTC
 TTCAAGGCTTGGGCATTGTTAAAGGCAAGTCCGAGAAGGGATCGACAAGCCAGATCCTCCTACTTGGA
 AGACAAGATTACGATGTGCTCTGAACAAGCAATGACTTTGAGGAATTGGTCGAGAGGACCCAGCTGGA
 TATCTCTGACCCATACAAGGTGTACAGGATTGTTCCAGAGGGAGCCAAAAAGGAGCAAAGCAGCTCACT
 TTGGATGACACACAGATGGCCATGGGCCACCCCTACCCCATGACAGCACCTTATGGCTCTCTGCCAGCCC
 AGCAGGTTCAACTACATGATGCCACCCATGACAGGAGCTGGAGGGATTATGCCCTGACCAGTCACA
 CCCAGAAATCCCATATCAATGTCTGTGACGTTTGGCCCAGAGGCCACCACTGGCAAGGCCCATCTTGT
 GAAATGGTTGCCAGGTGACAGGAACCTTTTATGCTTGTGCCCCACCTGAGTCCCAGGCTCCTGGAATCC
 CCATTGAGCCAAGCATAAGGTCTGCTGAAGCCTTGGCGCTCTCAGACTGCCGGCTGCATATCTGCCTGTA
 TTACCGGGACATCCTCGTGAAAGAGCTGACCACGACGAGCCCTGAAGGCTGCCGGATCTCCACGGACAC
 ACCTATGATGTTAGCAACCTGGACCAGTCTGTTTCCCTACCCGGACGACAATGGACAGAGGAAGAACA
 TTGAGAAGTTGCTGAGCCACCTGGAGAGGGGACTGGTCTCTGGATGGTCCAGATGGGCTTTATGCCAA
 AAGACTCTGCCAGAGTAGGATCTACTGGGATGGGCCCTGGCACTGTGCAGCGATCGGCCAACAAAGCTA
 GAAAGAGACCAGACTTGAAGCTCTTTGACACACAGCAGTTTCTATCAGAGCTGCAAGTGTGTTGCTCACC
 ATGGCCGGCCAGCACCGAGATTCAGGTGACTCTGTGCTTGGTGAGGAGTTTCCAGACCCCTCAGAGACA
 GAGGAAGCTCATCACAGCTCATGTGGAACCTCTGCTAGCCAGACAAGTATTACTTTGCTCAACAAAAAC
 ACTGGACATTTCTGAGGGGCTACGAGTTACCTGAACACGTTACCACTCCAGATTACCACCGCTCCCTCC
 GTCATTCTCCATCCAAGAG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_013674
- Insert Size:** 1353 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- 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_013674.1](#), [NP_038702.1](#)

RefSeq Size: 4683 bp

RefSeq ORF: 1353 bp

Locus ID: 16364

UniProt ID: [Q64287](#)

Cytogenetics: 13 A3.2

Gene Summary: Transcriptional activator. Binds to the interferon-stimulated response element (ISRE) of the MHC class I promoter. Binds the immunoglobulin lambda light chain enhancer, together with PU.1. Probably plays a role in ISRE-targeted signal transduction mechanisms specific to lymphoid cells. Involved in CD8(+) dendritic cell differentiation by forming a complex with the BATF-JUNB heterodimer in immune cells, leading to recognition of AICE sequence (5'-TGAnTCA/GAAA-3'), an immune-specific regulatory element, followed by cooperative binding of BATF and IRF4 and activation of genes.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (a). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.