

Product datasheet for **MC228086**

Irf5 (NM_001252382) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Irf5 (NM_001252382) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Irf5
Synonyms:	AW491843; mirf5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC228086 representing NM_001252382
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCTGCAAAACCCAAAGCCCTTTGCCATGAACCACTCAGCCCCAGGGATCCCCACCACCCCGCGTG
 TGAGGCTGAAGCCCTGGTTGGTGGCCAGGTGAACAGCTGCCAGTACCCAGGGCTTCAGTGGGTCAACGG
 GGAAAAGAACTCTTCTATATACCTGGCGCCATGCCACGAGGCATGGTCCCAGCCAGGATGGGGACAAC
 ACCATCTTCAAGGCCTGGGCTAAAGAGACAGGGAAGTACACTGAAGGGGTGGATGAGGCTGACCCAGCCA
 AGTGGAAGGCCAACCTGCGCTGTGCCCTTAACAAAAGCCGTGACTCCAGCTGTTCTATGATGGCCCTCG
 GGACATGCCACCTCAGCCGTACAAGATCTACGAGGTCTGCTCCAACGGCCCTGCTCCACAGAGAGCCAA
 CCCACTGATGATTACGTTCTGGGAGAAGAGGAGGAGGAAGAGGAAGAGCTCCAGAGAATGCTACCAG
 GCCTGAGCATCACAGAGCCTGCGCTACCTGGGCCCTCCAAACGCACCTATTCCTTACCCAAAGAAGACAC
 CAAGTGGCCACCTGCTCTCCAGCCACCTGTAGGGCTGGGTCCCCCTGTCCAGACCCAAATCTCCTGGCC
 CCTCCCTCTGAAATCCTGCTGGCTTCAGGCAGCTTCTCCCTGAGGTCTGGAGCCTGGACCTCTGGCTT
 CCAGCCAGCCCCCTACAGAACCCTCTTGCCTGACCTGCTGATCAGCCCCACATGTTGCCTTTGACGGA
 CCTAGAGATCAAGTTCAGTACCGGGACGCGCACCCCGGACCCTCACCATCAGCAACCCACAAGGCTGC
 AGGCTCTTCTACAGCCAGCTAGAGGCTACCCAGGAGCAAGTGGAACTCTTTGGCCCTGTGACCCTGGAGC
 AAGTGCCTTCCCTAGCCAGAGGACATCCCCAGTGACAAGCAGCGTTTCTATACGAACCAGCTGCTAGA
 TGTCTGGACCGTGGGCTCATCTGCAGCTGCAGGGCCAGGACCTGTACGCCATCCGTCTGTGCCAGTGT
 AAGGTGTTCTGGAGTGGGCCCTGCGCCTTGCCCATGGCTCCTGCCCAACCCATTGAGCGGGAAGTCA
 AGACGAAGCTCTTAGCCTAGAGCAGTTTCTCAATGAGCTCATCTGTTCCAGAAGGGCCAGACTAATAC
 CCCACCCTTTTGAGATCTTCTTTTGGTGGAGAAAGTGGCCTGATGTCAAACCCCGAGAGAAGAAG
 CTACTACTGTACAGGTGTACCTGTTGACGCCGTTGCTGCTGGAGATGTTCTCAGGGGAGCTTCTT
 GGTGCGCAGACAGCATCCGACTGCAGATCTCAAACCCGGATCTCAAAGACCACATGGTAGAGCAGTTTAA
 AGAGCTTCATCACCTCTGGCAGTCCCAGCAGCAATTGCAGCCATGGTCCAGGCCCTCCTGTGGCAGGC
 CTCGATGCAAGCCAGGGGCCCTGGCCATGCACCCAGTTGGCATGCA**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001252382
- Insert Size:** 1521 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).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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_001252382.1](#), [NP_001239311.1](#)

RefSeq Size: 2258 bp

RefSeq ORF: 1521 bp

Locus ID: 27056

UniProt ID: [P56477](#)

Cytogenetics: 6 12.36 cM

Gene Summary: Transcription factor involved in the induction of interferons IFNA and INFB and inflammatory cytokines upon virus infection. Activated by TLR7 or TLR8 signaling (By similarity). [UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) represents the longer transcript and it encodes the longer protein (isoform 1). 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.