

## Product datasheet for **MR230297**

### **Irf5 (NM\_001252382) Mouse Tagged ORF Clone**

#### **Product data:**

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



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**ORF Nucleotide Sequence:**

>MR230297 representing NM\_001252382  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGCTGCAAAACCCAAAGCCCTTTGCCATGAACCACTCAGCCCCAGGGATTCCCCACCACCCCGCCGTG  
 TGAGGCTGAAGCCCTGGTTGGTGGCCAGGTGAACAGCTGCCAGTACCCAGGGCTTCAGTGGGTCAACGG  
 GGAAAAGAAACTTTCTATATACCTGGCGCCATGCCACGAGGCATGGTCCCAGCCAGGATGGGGACAAC  
 ACCATCTTCAAGGCCTGGGCTAAAGAGACAGGGAAGTACACTGAAGGGGTGGATGAGGCTGACCCAGCCA  
 AGTGGAAGGCCAACCTGCGCTGTGCCCTTAACAAAAGCCGTGACTTCCAGCTGTTCTATGATGGCCCTCG  
 GGACATGCCACCTCAGCCGTACAAGATCTACGAGGTCTGCTCAACGGCCCTGCTCCACAGAGAGCCAA  
 CCCACTGATGATTACGTTCTGGGAGAAGAGGAGGAGGAAGAGGAAGAGCTCCAGAGAATGCTACCAG  
 GCCTGAGCATCACAGAGCCTGCGCTACCTGGGCCTCCCAACGCACCTATTCTTACCCAAAGAAGACAC  
 CAAGTGGCCACCTGCTCTCCAGCCACCTGTAGGGCTGGGTCCCCCTGTCCAGACCCAAATCTCCTGGCC  
 CCTCCCTCTGAAATCCTGCTGGCTTCAAGCAGCTTCTCCCTGAGGTCTGGAGCCTGGACCTCTGGCTT  
 CCAGCCAGCCCCCTACAGAACCACTCTTGCTGACCTGCTGATCAGCCCCACATGTTGCCCTTTGACGGA  
 CCTAGAGATCAAGTTCAGTACCGGGGACGCGCACCCCGGACCCTCACCATCAGCAACCCACAAGGCTGC  
 AGGCTCTTCTACAGCCAGCTAGAGGCTACCCAGGAGCAAGTGGAACTCTTTGGCCCTGTGACCCTGGAGC  
 AAGTGCGCTTCCCTAGCCAGAGGACATCCCCAGTGACAAGCAGCGTTTCTATACGAACCAAGCTGCTAGA  
 TGTCTGGACCGTGGGCTCATCTGCAGCTGCAGGGCCAGGACCTGTACGCCATCCGTCTGTGCCAGTGT  
 AAGGTGTTCTGGAGTGGGCCCTGCGCCTTGGCCCATGGCTCTGCCCAACCCATTGAGCGGGAAGTCA  
 AGACGAAGCTCTTAGCCTAGAGCAGTTTCTCAATGAGCTCATCTGTTCCAGAAGGGCCAGACTAATA  
 CCCACCACCTTTTGAGATCTTCTTTGCTTTGGAGAAGAATGGCCTGATGTCAAACCCCGAGAGAAGAAG  
 CTCATTACTGTACAGGTGTACCTGTTGCAGCCCGTTGCTGCTGGAGATGTTCTCAGGGGAGCTTTCTT  
 GGTCGGCAGACAGCATCCGACTGCAGATCTCAAACCCGGATCTCAAAGACCACATGGTAGAGCAGTTTAA  
 AGAGCTTCATCACCTCTGGCAGTCCCAGCAGCAATTGCAGCCCATGGTCCAGGCCCTCTGTGGCAGGC  
 CTCGATGCAAGCCAGGGGCCCTGGCCCATGCACCCAGTTGGCATGCAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

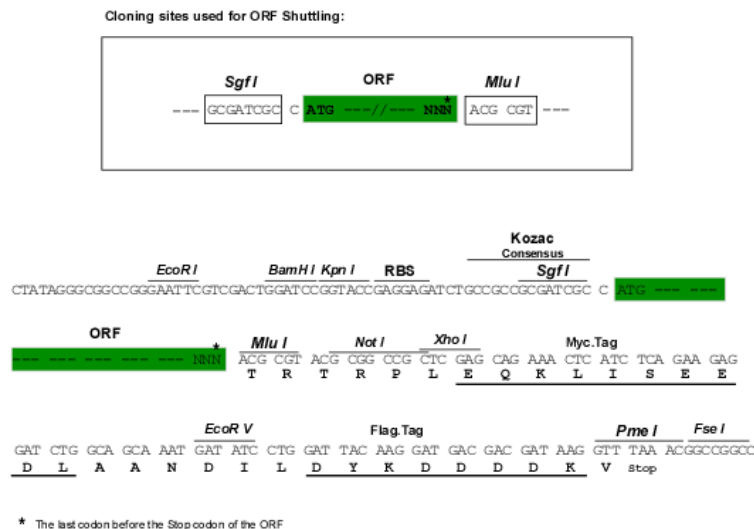
>MR230297 representing NM\_001252382  
 Red=Cloning site Green=Tags(s)

MLQNPKEPFAMNHSAPGIPPPRRVRLKPWLVAQVNSCQYPGLQWVNGEKKLFYIPWRHATRHGPSQDGDN  
 TIFKAWKETGKYTEGVDEADPAKWKANLRNALNKSDFQLFYDGPRDMPQPYKIYEVCSNGPAPTESQ  
 PTDDYVLGEEEEEEELQRMPLGLSITEPALGPPNAPYSLPKEDTKWPPALQPPVGLGPPVPDPNLLA  
 PPSGNPAGFRQLLPEVLEPGPLASSQPTEPLLPDLLISPHMLPLTDLEIKFYRGRAPRTLISNPQGC  
 RLFYSQLEATQEVELFGPVTLEQVRFPSPEDIPSDKQRFYTNQLLDVLDRLILQLQGQDLAIRLCQC  
 KVFWSGPCALAHGSCPNPIQREVTKLFSLEQFLNELILFQKGQTNTPPFEIFFCFGEWPDVKPREKK  
 LITVQVVPVAARLLLEMFSGELSWADSIRLQISNPDLKDHMVEQFKELHHLWQSQQQLQPMVQAPPVAG  
 LDASQGPWPMHPVGMQ

**TR**TRPLE**QKL**ISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_001252382

**ORF Size:** 1518 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\\_001252382.1](#), [NP\\_001239311.1](#)

**RefSeq Size:** 2258 bp

**RefSeq ORF:** 1521 bp

**Locus ID:** 27056

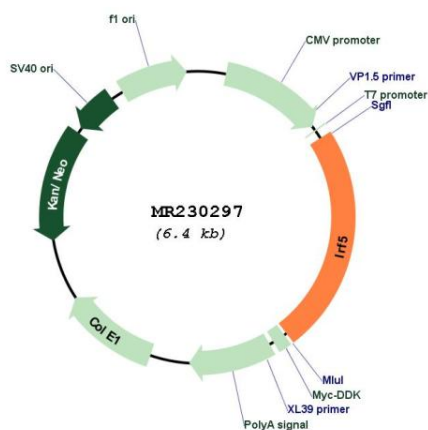
**UniProt ID:** [P56477](#)

**Cytogenetics:** 6 12.36 cM

**MW:** 57.5 kDa

**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]

## Product images:



Circular map for MR230297