

## Product datasheet for **MC216989**

### Irf5 (NM\_012057) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Irf5 (NM_012057) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Irf5
Synonyms:	AW491843; mirf5
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC216989 representing NM\_012057  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAACCACTCAGCCCCAGGGATCCCCACCACCCCGCGTGTGAGGCTGAAGCCCTGGTTGGTGCC  
 AGGTGAACAGCTGCCAGTACCCAGGGCTTCAGTGGGTCAACGGGAAAAGAACTTTCTATATACCCTG  
 GCGCCATGCCACGAGGCATGGTCCCAGCCAGGATGGGGACAACACCATCTTCAAGGCCTGGGCTAAAGAG  
 ACAGGGAAGTACACTGAAGGGTGGATGAGGCTGACCCAGCCAAGTGAAGGCCAACCTGCGCTGTGCC  
 TTAACAAAAGCCGTGACTTCCAGCTGTTCTATGATGGCCCTCGGGACATGCCACCTCAGCCGTACAAGAT  
 CTACGAGGTCTGCTCCAACGGCCCTGCTCCACAGAGAGCAACCCACTGATGATTACGTTCTGGGAGAA  
 GAGGAGGAGGAGGAAGAGGAGCTCCAGAGAATGCTACCAGGCCTGAGCATCACAGAGCCTGCGCTAC  
 CTGGCCCTCCCAACGCACCCTATTCCTTACCCAAAGAAGACCAAGTGGCCACCTGCTCTCCAGCCACC  
 TGTAGGGCTGGGTCCCCCTGTCCAGACCCAAATCTCCTGGCCCTCCCTCTGGAATCCTGCTGGCTTC  
 AGGCAGCTTCTCCTGAGGTCTGGAGCCTGGACCTCTGGCTTCCAGCCAGCCCCCTACAGAACCACTCT  
 TGCTGACCTGCTGATCAGCCCCACATGTTGCCTTTGACGGACCTAGAGATCAAGTTCCAGTACCGGGG  
 ACGCGCACCCCGGACCCTCACCATCAGCAACCCACAAGGCTGCAGGCTCTTCTACAGCCAGCTAGAGGCT  
 ACCCAGGAGCAAGTGGAACTCTTTGGCCCTGTGACCCTGGAGCAAGTGCCTTCCCTAGCCAGAGGACA  
 TCCCCAGTGACAAGCAGCGTTTCTATACGAACCAGCTGCTAGATGTCTGGACCGTGGGCTCATCCTGCA  
 GCTGCAGGGCCAGGACCTGTACGCCATCCGTCTGTGCCAGTGAAGGTGTTCTGGAGTGGCCCTGCGCC  
 TTGGCCCATGGCTCCTGCCCAACCCATTACAGCGGGAAGTCAAGACGAAGCTCTTTAGCCTAGAGCAGT  
 TTCTCAAATGAGCTCATCCTGTTCCAGAAGGGCCAGACTAATACCCACCCTTTTGGATCTTCTTTTG  
 CTTTGGAGAAGAATGGCCTGATGTCAAACCCCGAGAGAAGAAGCTCATTACTGTACAGGTGGTACCTGTT  
 GCAGCCCGGTTGCTGCTGGAGATGTTCTCAGGGGAGCTTTCTTGGTGGCAGACAGCATCCGACTGCAGA  
 TCTCAAACCCGGATCTCAAAGACCACATGGTAGAGCAGTTAAAGAGCTTCATCACCTCTGGCAGTCCCA  
 GCAGCAATTGCAGCCATGGTCCAGGCCCTCCTGTGGCAGGCCTCGATGCAAGCCAGGGGCCCTGGCC  
 ATGCACCCAGTTGGCATGCA**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_012057

**Insert Size:** 1494 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).

<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>	<u>NM_012057.4, NP_036187.1</u>
<b>RefSeq Size:</b>	2206 bp
<b>RefSeq ORF:</b>	1494 bp
<b>Locus ID:</b>	27056
<b>UniProt ID:</b>	<u>P56477</u>
<b>Cytogenetics:</b>	6 12.36 cM
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (2) contains a different 5' end, which results in the use of an upstream start codon, compared to variant 1. The resulting protein (isoform 2) has a shorter and different N-terminus when it is compared to isoform 1.</p>