

## Product datasheet for **MC227626**

### Irf8 (NM\_001301811) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Irf8 (NM\_001301811) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Irf8  
**Synonyms:** AI893568; IC; Ics; ICSBP; Icsbp1; IRF; IRF-8; My; Myls  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC227626 representing NM\_001301811  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGTGTGACCGGAACGGCGGGCGGGCTGCGGCAGTGGCTGATCGAACAGATCGACAGCAGCATGTACC  
CGGGGCTGATCTGGAAAATGATGAGAAGACCATGTTCCGTATCCCTGGAAGCATGCCGCAAGCAGGA  
TTACAATCAGGAGGTGGATGCTTCCATCTCAAGGCCTGGCAGTTTTTAAAGGGAAGTTTAAAGAGGGA  
GACAAAGCTGAACCAGCCACGTGGAAGACGAGGTTACGCTGTGCTCTGAACAAGAGCCCAGATTTTGAAG  
AAGTGACTGACCGGTCCCAGCTGGACATTTCTGAGCCATAAAAGTTTACCGAATTGTCCCCGAGGAAGA  
ACAAAAATGCAAGCTGGGCGTGGCACCTGCAGGCTGCATGAGCGAAGTTCCTGAGATGGAGTGTGGCCGC  
TCAGAGATTGAGGAGCTGATCAAGGAACCTTCTGTGGATGAGTACATGGGTATGACCAAGAGGAGCCCAT  
CCCCACCAGAGGCTGCAGGAGCCAGATCCTCCCTGACTGGTGGTCCAGCAGCCCAGTGCAGGCCCTGCC  
ACTGGTGACCGGATATGCCGCCATGACACACACCATTTCAGCTTCTCCAGATGGTCATCAGCTTCTAC  
TACGGGGCAAGCTGGTGGCCAGGCCACCACCCTGCCTTGAAGGCTGCCGTCTCCTGAGCCAGC  
CGGGGCTGCCTAAGTTGATGGGCCGGATGGCCTGGAACCGTGTGCTTCCGACGGCCGACACCATCCC  
CAGTGAGCGGCAGAGGCAGGTGACCCGGAAGCTGTTGGGCACCTGGAACGTGGCGTGCTACTGCACAGC  
AACCGCAAGGGCGTGTTCGTGAAGCGGCTGTGCCAGGGCCGCGTGTCTGCAGCGCAACCGGTTGGTGT  
GCAAGGGCAGGCCAACAAGCTGGAGCGGGACGAGGTGGTGCAGGTCTTTGACACCAACCAGTTCATCCG  
AGAGCTGCAGCAATTCTACGCCACCCAGAGCCGCTACCTGACAGCAGGGTGGTCTGTGCTTCGGGGAG  
GAGTTTCCGGACTGTGCCCTTGCCTCCAACTCATTCTGGTGCAGGTAGAGCAGCTGTATGCCAGGC  
AGCTGGTGGAGGAAGCGGCAAGAGCTGCGGTGCTGGCTCCCTGATGCCAGCCCTGGAGGAGCCCCAGCC  
GGACCAGGCTTCCGCATGTTCCGGATATCTGTACCTCACACCAGAGACCCTTTTTAGAGAAAATCAA  
CAGATCACCGCT**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_001301811
<b>Insert Size:</b>	1275 bp
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<b>Components:</b>	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><a href="#">NM_001301811.1</a></u> , <u><a href="#">NP_001288740.1</a></u>
<b>RefSeq Size:</b>	3391 bp
<b>RefSeq ORF:</b>	1275 bp
<b>Locus ID:</b>	15900
<b>UniProt ID:</b>	<u><a href="#">P23611</a></u>
<b>Cytogenetics:</b>	8 70.05 cM
<b>Gene Summary:</b>	<p>The protein encoded by this gene is a transcription factor that belongs to the interferon regulatory factor family. Proteins belonging to this family have a DNA binding domain at the amino terminus that contains five well-conserved tryptophan-rich repeats. This domain recognizes DNA sequences similar to the interferon-stimulated response element. The protein encoded by this gene promotes or suppresses lineage-specific genes to regulate the differentiation of lymphoid and myeloid lineage cells. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2014]</p> <p>Transcript Variant: This variant (1) represents the longer transcript. Both variants 1 and 2 encode the same protein.</p>