

Product datasheet for **MC205631**

Irf2 (NM_008391) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Irf2 (NM_008391) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Irf2
Synonyms:	9830146E22Rik; AI646973; Irf-2
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC006577
 CCGACGCGTGGGCGGACGCGTGGGTTTCGATCTGGACTGTTCTCAGGCAAGCCGGGGACTAACTTTTAGT
 TTTGCTCTGCGATTATCAACTGACGGCTTTTCATTTCCATTTTACACACCCTAACAACACTCACACCT
 TGCGGGATTGTATTGGTAGCGTGGAAAAAAGCACATTGAGAGGGTACCATGCCGGTGGAAACGGATGC
 GAATGCGCCCGTGGCTGGAGGAGCAGATAAATTC AATACGATACCAGGGCTAAAGTGGCTGAACAAGGA
 GAAGAAGATTTTCAGATCCCCTGGATGCATGCGGCTCGGCACGGATGGGACGTGGAAAAGGATGCTCCG
 CTCTTCAGAAACTGGGCGATCCATACAGGAAAGCATCAACCAGGAATAGATAAACCCAGATCCAAAAACAT
 GGAAAGCAAATTTTCGATGTGCCATGAATTCCTGCCCGACATTGAGGAAGTGAAGGACAGAAGCATAAA
 GAAAGGAAAACAACGCCTTCAGAGTCTACCGGATGCTGCCCTTATCCGAACGACCTTCCAAGAAAAGGAAAG
 AAACCAAGACAGAAAAAGAAGAGAGAGTTAAGCACATCAAGCAAGAACCAGTTGAGTCATCTTTGGGGC
 TTAGTAATGGAGTAAGTGGCTTTTCTCCTGAGTATGCGGTCTGACTTCAGCTATAAAAAATGAAGTGA
 TAGTACGGTGAACATCATAGTTGTAGGACAGTCCCATCTGGACAGCAACATTGAAGATCAAGAGATCGTC
 ACTAACCCGCCAGACATCTGCCAGTTGTAGAAGTGACCACTGAGAGTGTGACCAGCCAGTCAGCATGA
 GTGAGCTCTACCCTCTACAGATTTCTCCTGTGTCTTCTACGCAGAAAGCGAAACTACCGACAGTGTGGC
 CAGTGATGAAGAGAACGCAGAGGGGAGACCACACTGGAGGAAGAGGAGCATCGAAGGCAAGCAGTACCTC
 AGCAACATGGGGACACGGAACACCTATCTGCTGCCAGCATGGCGACCTTTGTCACCTCCAACAAGCCAG
 ATCTGCAGGTCACCATCAAAGAGGAGAGCTGTCCGATGCCTTACAACAGCTCCTGGCCCCCATTTACAGA
 CCTTCCCCTTCTGCCCCAGTGACCCCCACGCCAGCAGTCCGGCCAGACCCGGGAGACCCGGGCCAGT
 GTCATCAAGAAGACATCTGATATCACCCAGGCCGTGCAAGAGCTGTTAAGCCTTTGACTCTCCCTGGT
 GGTGTGGGATTTCTAGCTTTGTGTTGTTCTTTGTTGTTATTATTTATTTTCTCTATGATACC
 TATCTTAGACACATCTAAGGGAGAAAGCCTTGACGATAGATTATTGATTGCTGTGCCAACTCCAGAGCT
 GGAGTCTTCTTAACCTCAGGACTCCAGCCCCCCCCCTCGGTAGATGCGTATCTCTAGAACCTGCTGGA
 TCTGCCAGGGCTACTCCCTCAAGTTCAAGGACCAACAGCCACACGGGCAGTGGAGGTGCTGCGTTGCCTA
 CGGTCAAGGCCAGCATGGTGGAGTGGATGCCTCAGAACGGAGGAAAAATGTGAACCTAGCTGGAATTTTT
 TTATTCTGTGAATATGTACATAGGGCAGTACGAGCAATGTGCGGGCTGCTTCTGCACCTTATCTTGAA
 GCACCTTACAATAGGCCTTCTTGAATCTTGCTCTCCTTACAGCACACTCGGCGACCCCTTCTGTGTCCA
 CTACCCCACTACCCACCCCTCCCTCCTCAACCCCTCCATCCCGGTCTCTATGCGCCCTTCCCCCAAC
 CAATCCCATCACAACCTTACCTATCCTTTCCCTCCCAACCCCTTCTATCCCAGCCACCACCTACCCC
 ACTCCTCCCAACTCCTCATTCTAGCCATTACCCACGCCTCTCCTCAGCCAGCCTACCCCATCCC
 ACCCTGTTCTTTCTCCAGTTTCTCCTCCTCAAAGGCAAGGCTCTACATCTGGAGGAGGAGGAGAGA
 AGAAAATGAGTTTCTCACCGCTGTCCATTTAAGACTGCTTGAATAATAAAAAAAAAAATCTTTCTAA
 TCTGCTATGCTTGAATGGCACGGGTACAAAGGAAAACCTGTCATGGAAATATTATGCAAATTCAGATC
 TGAAGACGAAAAATACTAATTCTAACAGAGCAAGCTTTTTTATTTTTTATAAAGGGAATATTTT
 ATCAAGGTAATAAATCTAAATAAATAAATTGTTTTTATCTTTTCTACAGCAAATTTATAATTTT
 AAGATTCCTTTCTGTTTCATCAGCAGTTGTTATTACATCCCTTGTGGCACATTTTTTTTTTAATTTGT
 AAAGGTGAAAAAAAACCTTTTATGAGCTCATGTAGCAATCAAATTATCCTGTGGATTGATAATAAATGAA
 TATGGTATATAGTTAAAGATTTTAAA

Restriction Sites: RsrII-NotI

ACCN: NM_008391

Insert Size: 1050 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: [BC006577](#), [AAH06577](#)

RefSeq Size: 2515 bp

RefSeq ORF: 1050 bp

Locus ID: 16363

UniProt ID: [P23906](#)

Cytogenetics: 8 B1.1

Gene Summary: Specifically binds to the upstream regulatory region of type I IFN and IFN-inducible MHC class I genes (the interferon consensus sequence (ICS)) and represses those genes. Also acts as an activator for several genes including H4 and IL7. Constitutively binds to the ISRE promoter to activate IL7. Involved in cell cycle regulation through binding the site II (HiNF-M) promoter region of H4 and activating transcription during cell growth. Antagonizes IRF1 transcriptional activation.[UniProtKB/Swiss-Prot Function]