

Product datasheet for **MC219235**

Irf2bp2 (NM_001164598) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Irf2bp2 (NM_001164598) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Irf2bp2
Synonyms:	E130305N23Rik; IRF-2BP2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC219235 representing NM_001164598
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCGCGCGGTGGCGGTGGCGGCCCTCTCGGCCAGTCGTGCTATCTGTGTGACCTGCCCGCA
 TGCCCTGGGCCATGATCTGGGACTTCACGGAGCCCGTGTGCCGCGGCTGCGTCAACTACGAGGGAGCCGA
 CCGCGTGGAGTTCGTCATCGAGACGGCCCGCCAGCTGAAGCGTCTCACGGCTGCTTCCCGGAGGGCCGC
 TCCCGACCGGTGCACAGCCCGCAGCCCAAGCCACCGCCACTGTGGCCAAGGACCTACTGCTGCAGC
 CGCCGCGCAGCTGGGCCACGGGGCGCCGAGGCCGCGCGCTCAGGCTATGGAGCGCTACCCGCTGGC
 GCCGGATCGTCCCGCGCCTGGCCTCCGACTTCAGCACGCGTGGGGTGCAGGCCTCCACAGTCGGCC
 GCGCAGCAGTCCGCGCCGGCAACGGCATCCTGGTGCCCAACGGGTTCTCCAACTGGAGGAGCCCGCG
 AGCTGAATCGCCAGAGCCGAACCTCGGCGTGCACACGCGTTCGCCCCACTCTGGTGCCTCTGGTCAA
 CGGTTCTGCCGCGCTGGGGTTGAGCGGCGTGTGCGGCCACACTGGCCGCGGTGAGCGGAACACCGGGC
 CTGGGAGCTCAGCCCGCGAGTTGGGCACCCACAACGCCCGGGTCTGTGTGAGCGCGCGCGCGGAGC
 ACGAGGCGCGGAGCCGAGCAAGGAGAAGGCGCAGCCCGCACCAGGAGTCCGGCCGACAGCTTATCCAG
 CGCGGCCGGGGCCAGCGAGCTGAGCGCCGAGGGTGCAGGCAAAGGCCGCGCGCCCGGGGAGCAGGACTGG
 GCCAGCAGGCCTAAGACGGTGCGGGACACGCTCCTGGCGCTGCACCAGCACGGCCACTCGGGGCCCTTCG
 AGAGCAAGTTCAGAAGGAGCCGGCTCTGACTGCAGCAGGCAGGTTGTTGGGTTTCGAGGCCAACGGGGC
 CAACGGGTCTAAAGCAGTTGCAAGGACAGCAAGGAAAAGGAAGCCTTCCCAGAACCGGAAGGGGAAGTC
 GGGCCCCCTAAGATCAATGGTGAGACACAGCCTTGGCTGTCCACTTCCACAGAAGGGCTCAAGATCCCCA
 TCACCCCTACATCCTCTTTGTGTCTCCACCACCCCTACTGCCTCTCCTCATTCCAACCGGACCACACC
 GCCTGAAGCGGGCCAGAATGGCCAGTCCCAATGGCAGCCTGATTTTAGTAGCAGACAATGCCGGGGGC
 AGTCACGCCTCAAAGATGCCACCCAGGTTCACTCCACCACCAGGAGAACAGCAGCAGCCCGCCCTCTC
 CCTCTCTATGAACCAAAGAAGGCTTGGCCCCAGAGAGGTGGGGGGCCAGGCCACCGGCAGCACCAGGAG
 ACTGGAGCCGGTGCACCCTGCCAGCCTCCAGACTCCTCTCTGGCAGCCAGCGCCCCCTGTGCTGCACC
 CTCTGCCACGAGCGGCTGGAGGATACTCACTTTGTGCAAGTCCCGTCTGTCCCTTCGCACAAGTTCTGTT
 TCCCTTGTCCAGACAAAGCATTAAACAGCAGGGCGCTAGCGGAGAGGCTATTGCCAAGTGGAGAGAA
 GTGTCTCTGGTGGGCTCCAATGTCCCCTGGGCTTCATGCAAGGAGAGATTGCTACCATCCTCGCCGA
 GATGTGAAAGTGAAGAAGGAGAGACTCGTGA

AG**CGGACCG**ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-RsrII
- ACCN:** NM_001164598
- Insert Size:** 1713 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: [NM_001164598.1](#), [NP_001158070.1](#)

RefSeq Size: 4530 bp

RefSeq ORF: 1713 bp

Locus ID: 270110

UniProt ID: [E9Q1P8](#)

Cytogenetics: 8 E2

Gene Summary: Acts as a transcriptional corepressor in a IRF2-dependent manner, this repression is not mediated by histone deacetylase activities. Represses the NFAT1-dependent transactivation of NFAT-responsive promoters. Acts as a coactivator of VEGFA expression in cardiac and skeletal muscles. Plays a role in immature B-cell differentiation (By similarity).[UniProtKB/Swiss-Prot Function]