

Product datasheet for **MR209134**

Irf2bp1 (NM_178757) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Irf2bp1 (NM_178757) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Irf2bp1
Synonyms:	6330414O09Rik; C530033F24
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR209134 representing NM_178757
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCGTCCGTGCAAGCGTCCCAGCCAGTGGTGTACCTGTGCGACCTGCCAAGATGCCGTGGGCCA
 TGGTGTGGGACTTCAGCGAGGCTGTGTGCCGGGTGCGTGAATTTTCAGGGCGCGGACCGCATCGAGCT
 GCTCATCGACGCCGCCAGCTCAAGCGCAGCCACGTGCTCCCCGAGGGCCGCTCGCCCCGACCCCCG
 GCTCTCAAGCACCCGACTTCCAAGGACCTAGCCTCCACGGGCTCCCAGGGCTCCCAGTTGCCACCCCCG
 AGGCCAGGCGCAGCCATCGGGACCGCGGTAGCGTCTCAGGCCGGACCGCTATGACAGGGCTACTTC
 ATCCAGCCGCTGGCGTGCCTTCGCCGGCTTTGGAGTACACCCTGGGGTCCCCTGGCCAACGGGCTG
 GGCCGCGAGGAGCCGTGGCGAAGGGGCACGAGGGCTTTGCTGGCTCCATCCCAGCTTGATGCCCC
 CCGGGCTGCTGGCAGCTGCAGTGTCTGGCCTTGAGGGCCGAGCTCTGACGCTGGCACCTGGCTTAAGCCC
 CGCTCGTCCACTTTTCGGCTCCGATTTGAGAAGGAGAAGCAGCAGAGGAATGCGGACTGCTTGGCAGAA
 CTGAACGAGGCCATGCGGGCCGGGCGGAGGAGTGGCATGGGCGTCCCAAGGCTGTAAGGGAACAGCTAC
 TGGCTCTGTCCGCTGTGCCCTTTCAATGTTTCGATTCAAGAAGGACCACGGGCTGGTGGGACGGGTGTT
 CGCCTTTGATGCCACTGCCCGCCCTCCGGGCTATGAGTTCGAGCTGAAGCTCTTACCAGAAATACCCTGT
 GGTTCGGCAATGTTTACGCGGGGGTCTTGCAGTGGCTCGCCAGATGTTTCATGATGCTCTTCGAGAGC
 CAGGGAAGGCCCTGGCCTCATCGGGCTTCAAGTACCTCGAGTATGAACGGCGCCATGTTTCAGGGGAATG
 GCGCCAGTTAGGAGAGCTGCTTACGGATGGGGTCCGACGTTCCGAGAGCCTGCTCCTGCGGAGGCCCTG
 CCCCAGCACTACCCAGAACCGCCCTGCTGCTGTGTGGCCACCTCCAAGAGCCCCATCCCCAAACC
 TGGGCCCACTCCACGCGCTCGCAAAGCATCCCCTGAGCCCGAGGGCGAGACAGCTGGGAAGATGACCAC
 GGAGGAGCAGCAACAGCGCACTGGGTGGCGCCAGGCGGTCCATACTCTCAGAGACCCCTGGTGTGCC
 TCACCTATTGCTGCCCTCAAGAATGTGGCCGAGGCTCTGGGCCACTCACCAAGGACCCTGGTGGGGGTG
 GAGGCTCTGTCCGCGCAGGGGTGCTAGCCCCGCGGCTTCTCCACAACCAACCACCGCCAGCATCG
 TTTGGTGGCAGCAATGGAGAGGAGAAGTACGCCCACTGCCGGGGTGAAGCTGTACGCGGGGTGGT
 AGCGGCACAGGGGCGACCCCTGGAGCCCCCTTGTGCTGTACCCTGTGCAGAGAAAGGCTGGAAGACACC
 ACTTCGTGCAGTGTCCCTCGGTACCCGGACACAAGTTCGCTTTCCTTGTCCCAGAGTTTATCAAGGC
 ACAGGGCCAGCCGAGAGGTGTACTGCCCCAGTGGAGACAAATGTCCACTGGTGGGTCTCTGTCCCC
 TGGGCTTCATGCAGGGCGAGATCGCTACTATTCTTGCTGGTGCATCAAGGTCAAGAAAGAAAGAGACC
 CC

ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR209134 representing NM_178757
 Red=Cloning site Green=Tags(s)

MASVQASRRQWCYLCDLPKMPWAMVWDFSEAVCRGCVNFEADRIELLIDAARQLKRSHVLEPGRSPGPP
 ALKHPTSKDLASTGSQGSQQLPPPQAQAQPSGTGGSVSGPDRYDRATSSSRLALPSPALEYTLGSRLANGL
 GREEVAEGARRALLGSIPSLMPPGLLAAAVSGLGGRALTLAPGLSPARPLFGSDFEKEKQQRNADCLAE
 LNEAMRGRAEEWHGRPKAVREQLLALSACAPFNVRFKDHGLVGRVFAFDATARPPGYEFELKLFTEYPC
 GSGNVYAGVLAVARQMFHDALREPGKALASSGFKYLEYERRHSGSEWRQLGELLTDGVRSFREPAPAEAL
 PQQYPEPAPAALCGPPRAPSRLNAPTPTRRRKASPEPEGETAGKMTTEEQQQRHVVAPGGPYSSETPGVP
 SPIAALKNVAEALGHSPKDPGGGGSVRAGGASPAASSTQPPAQHRLVARNGEAEVSPTAGAEAVSGGG
 SGTGATPGAPLCCCTLCRERLEDTHFVQCPSVPGHKFCFPSCREFIKAQGPAGEVYCPSGDKCPLVGSVSP
 WAFMQGEIATILAGDIKVKKERDP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9085_e08.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_178757

ORF Size: 1752 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_178757.4](#)

RefSeq Size: 2741 bp

RefSeq ORF: 1755 bp

Locus ID: 272359

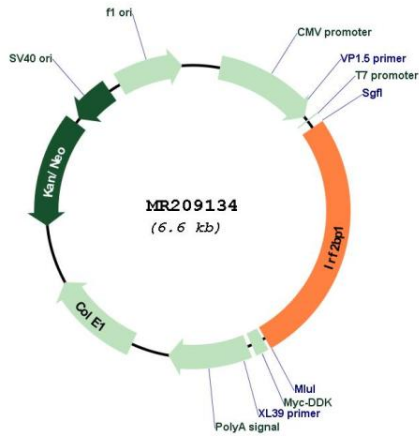
UniProt ID: Q8R3Y8

Cytogenetics: 7 A3

MW: 61.8 kDa

Gene Summary: Acts as a transcriptional corepressor in a IRF2-dependent manner; this repression is not mediated by histone deacetylase activities. May act as an E3 ligase towards JDP2, enhancing its polyubiquitination. Represses ATF2-dependent transcriptional activation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR209134