

Product datasheet for **MG209134**

Irf2bp1 (NM_178757) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Irf2bp1 (NM_178757) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Irf2bp1
Synonyms:	6330414O09Rik; C530033F24
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG209134 representing NM_178757
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGTCCGTGCAAGCGTCCCAGCCAGTGGTGTACCTGTGCGACCTGCCAAGATGCCGTGGGCCA
 TGGTGTGGGACTTCAGCGAGGCTGTGTGCCGGGTGCGTGAATTCGAGGGCGCGGACCGCATCGAGCT
 GCTCATCGACGCCGCCAGCTCAAGCGCAGCCACGTGCTCCCCGAGGGCCGCTCGCCCGGACCCCGG
 GCTCTCAAGCACCCGACTTCCAAGGACCTAGCCTCCACGGGCTCCCAGGGCTCCCAGTTGCCACCCCGC
 AGGCCAGGCGCAGCCATCGGGGACCGCGGTAGCGTCTCAGGCCGGACCGCTATGACAGGGCTACTTC
 ATCCAGCCGCTGGCGTGCCTTCGCCGGCTTTGGAGTACACCCTGGGGTCCCCTTGGCCAACGGGCTG
 GGCCGCGAGGAGCGCTGGCGAAGGGGCACGAGGGCTTTGCTTGGCTCCATCCCAGCTTGATGCCCC
 CCGGGCTGCTGGCAGCTGCAGTGTCTGGCCTTGGAGCCGAGCTCTGACGCTGGCACCTGGCTTAAGCCC
 CGCTCGTCCACTTTTCGGCTCCGATTCGAGAAGGAGAAGCAGCAGAGGAATGCGGACTGCTTGGCAGAA
 CTGAACGAGGCCATGCGGGGCGGGCGGAGGAGTGGCATGGGCGTCCCAAGGCTGTAAAGGAACAGCTAC
 TGGCTCTGTCCGCTGTGCCCTTTCAATGTTTCGATTCAAGAAGGACCACGGGCTGGTGGGACGGGTGTT
 CGCCTTTGATGCCACTGCCCGCCCTCCGGGCTATGAGTTCGAGCTGAAGCTCTTACCAGAAATACCCTGT
 GTTTCTGGCAATGTTTACGCGGGGGTCTTGCAGTGGCTCGCCAGATGTTTCATGATGCTCTTCGAGAGC
 CAGGGAAGGCCCTGGCCTCATCGGGCTTCAAGTACCTCGAGTATGAACGGCGCCATGTTTCAGGGGAATG
 GCGCCAGTTAGGAGAGCTGCTTACGGATGGGGTCCGACGTTCCGAGAGCCTGCTCCTGCGGAGGCCCTG
 CCCCAGCACTACCCAGAACCGCCCTGCTGCTGTGTGGCCACCTCCAAGAGCCCCATCCCAGAAACC
 TGGCCCCACTCCACGCGCTCGCAAAGCATCCCCTGAGCCCGAGGGCGAGACAGCTGGGAAGATGACCAC
 GGAGGAGCAGCAACAGCGCACCTGGGTGGCGCCAGGCGGTCCATACTTTCAGAGACCCCTGGTGTGCC
 TCACCTATTGCTGCCCTCAAGAATGTGGCCGAGGCTCTGGGCCACTCACCAAGGACCCTGGTGGGGGTG
 GAGGCTCTGTCCGCGCAGGGGGTGTAGCCCCGCGGCTTCTCCACAACCAACCACCGCCAGCATCG
 TTTGGTGGCAGCAATGGAGAGGAGAAGTACGCCCCACTGCCGGGGTGAAGCTGTACGCGGGGGTGGT
 AGCGGCACAGGGGCGACCCCTGGAGCCCCCTTGTGCTGTACCCTGTGCAGAGAAAGGCTGGAAGACACC
 ACTTCGTGCAGTGTCCCTCGGTACCCGGACACAAGTTCGCTTTCCTTGTCCCAGAGTATCAAGGC
 ACAGGGCCAGCCGAGAGGTGTACTGCCCCAGTGGAGACAAATGTCCACTGGTGGGTTCCTCTGTCCCC
 TGGGCTTCATGCAGGGCGAGATCGCTACTATTCTTGCTGGTGCATCAAGGTCAAGAAAGAAAGAGACC
 CC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG209134 representing NM_178757
 Red=Cloning site Green=Tags(s)

MASVQASRRQWCYLCDLPKMPWAMVWDFSEAVCRGCVNFEGADRIELLIDAARQLKRSHVLPGRSPGPP
 ALKHPTSKDLASTGSQGSQPPPPQAQAQPSGTGGSVSGPDRYDRATSSSRLALPSPALEYTLGSRANGL
 GREEAVALGARRALLGSIPSLMPPGLLAAAVSGLGGRAL TLAPGLSPARPLFGSDFEKEKQQRNADCLAE
 LNEAMRGRAEEWHGRPKAVREQLLALSACAPFNVRFKDHGLVGRVFAFDATARPPGYEFELKLFTEYPC
 GSGNVYAGVLAVARQMFHDALREPGKALASSGFKYLEYERRHSGSEWRQLGELLTDGVRSFREPAPAEAL
 PQQYPEPAPAALCGPPPRAPSRNLAPTPTRRRKASPEPEGETAGKMTTEEQQQRHWVAPGGPYSSSTPGVP
 SPIAALKNVAEALGHSPKDPGGGGSVRAGGASPAASSTTQPPAQHRLVARNGEAEVSPTAGAEVSGGG
 SGTGATPGAPLCCCTLCRERLEDTHFVQCPSPVGHKFCFPCSREFIKAQGPAGEVYCPSGDKCPLVGSVSP
 WAFMQGEIATILAGDIKVKKERDP

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

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:	<ol style="list-style-type: none">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
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]