

Product datasheet for **RG207151**

IRF2BP1 (NM_015649) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IRF2BP1 (NM_015649) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	IRF2BP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG207151 representing NM_015649
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGTCTGTGCAGGCGTCCCGCCAGTGGTGTACCTGTGCGACCTGCCAAGATGCCGTGGGCCA
 TGGTGTGGGACTTCAGCGAGGCCGTGTGTGCGCGCTGCGTGAACCTCAGGGGCGCGGACCGCATCGAACT
 GCTCATCGATGCCGCCCGCCAGCTCAAGCGCAGCCACGTGCTCCCGAGGGCCGCTCGCCCGGGCCCCCG
 GCCCTTAAGCACCCGGCCACCAAGGACCTGGCGCGCAGCCGCACAGGGGCCAGCTGCCGCCCCCGC
 AGGCCAGCCCCAGCCGTAGGGACCGCGCGCGCGTGTGCGGCCAGGACCGCTATGACAGGGCCACATC
 ATCAGGCCGCTCCCTCGCCCTCGCCCGCTGGAGTACACTCTGGGGTCCCGCTGGCCAATGGGCTG
 GGCCGTGAGGAGCCGTGGCTGAGGGGGCGGAAGGGCCTTGCTGGCTCCATGCCTGGCTTGATGCCCC
 CTGGGCTGCTGGCAGCTGCAGTGTCTGGCTGGGAAGCCGAGGCCTGACGCTGGCACCCGGCTTGAGTCC
 TGCCCGTCCCCTCTCGGCTCCGATTCGAGAAAGAGAAGCAGCAGAGGAATGCGGACTGTCTGGCAGAA
 CTGAACGAGGCCATGCGAGGCCGCGCAGAGGAATGGCACGGGCGCCCAAGCAGTGCGGGAACAGCTAC
 TGGCGCTGTCGCTCGCCCGCTTCAATGTGCGCTTCAAGAAGGATCACGGGCTGGTGGGGCGAGTGT
 CGCCTTCGATGCTACTGCCCGTCTCCAGGATACGAGTTCGAGCTGAAGCTTTCACCGAATACCCCTGT
 GGTTCGGCAATGTGTACGCCGGCGTCTGGCAGTGGCTCGCCAGATGTTCCACGATGCTCTGCGGGAGC
 CGGGCAAGGCACTGGCTTCTTCGGGCTTCAAGTACCTCGAATATGAACGCCGGCATGGATCAGGAGAATG
 GCGGCAGCTGGCGAGCTGCTTACCGACGGCGTCCGACGTTCCGCGAGCCAGCTCCCGCGGAGGCCCTG
 CCCCAGCAGTACCCAGAGCCGGCCCTCGCGCTCTCTGTGGCCACCCCGCGAGCCCCATCCCGGAACC
 TGGCGCCACGCCGCGCGTCCGAAGGCATCCCCGAGCCGGAGGGCGAGGCGGCTGGGAAGATGACCAC
 CGAGGAGCAGCAGCAACGGCACTGGGTGGCACCCGGCGGCCGTAATCCGCTGAGACCCCTGGTGTGCC
 TCGCCATTGCCGCCCTGAAGAATGTGGCCGAAGCCCTGGGCCACTCACCAAGGACCCTGGCGGAGGCG
 GGGGCCCTGTGCGTGCAGGGGGCGCCAGCCCTGCAGCCTCTCCACGGCCAGCCGCCAACCAGCATCG
 CCTTGTGGCCCGCAACGGCGAAGCAGAAGTCACTCCACAGCGGGGGCGAAGCTGTGAGCGGGGTGGC
 AGCGGCACTGGGGCGACCCCTGGGGCCCCCTGTGCTGTACCCTGTGAGGGAGCGGCTGGAAGACACCC
 ACTTCGTCAGTCCCTCGGTGCCCGGACACAAGTTCGCTTCCCTGCTCCCGGAGTTCATCAAGGC
 GCAGGGCCCGCCGGGGAGGTGTACTGCCCGAGCGGAGACAAGTCCCGCTGGTGGCTCCTCCGTGCC
 TGGGCTTCATGCAGGGCGAGATCGCCACCATCTTGCTGGAGACATCAAAGTTAAGAAAGAACGGGACC
 CC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG207151 representing NM_015649
 Red=Cloning site Green=Tags(s)

MASVQASRRQWCYLCDLPKMPWAMVWDFSEAVCRGCVNFEGADRIELLIDAARQLKRSHVLPGRSPGPP
 ALKHPATKDLAAAAAQGPQLPPPQAQPQPSGTGGVSGQDRYDRATSSGRLPLPSPALEYTLGSRLANGL
 GREEAVAEGARRALLGSMPLMPPGLLAAAVSGLGSRGLTLAPGLSPARPLFGSDFEKEKQRNADCLAE
 LNEAMRGRAEEWHGRPKAVREQLLALSACAPFNVRFKKDHGLVGRVFAFDATARPPGYEFELKLFTEYPC
 GSGNVYAGVLAVARQMFHDALREPGKALASSGFKYLEYERRHGSGEWRQLGELLTDGVRSFREPAPAEAL
 PQQYPEPAPAALCGPPRAPSRLNAPTRRRKASPEPEGEAAGKMTTEEQQRHWWAPGGPYSAETPGVP
 SPIAALKNVAEALGHSPKDPGGGGPVRRAGGASPAASSTAQPPTQHRLVARNGEAEVSPTAGAEAVSGGG
 SGTGATPGAPLCTLCRERLEDTHFVQCPVPGHKFCFPCREFIKAQGPAGEVYCPSGDKCPLVGSSVP
 WAFMQGEIATILAGDIKVKKERDP

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

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:	<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_015649.1 , NP_056464.1
RefSeq Size:	2630 bp
RefSeq ORF:	1755 bp
Locus ID:	26145
UniProt ID:	Q8IU81
Cytogenetics:	19q13.32
Protein Families:	Druggable Genome
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]