

Product datasheet for **SC100453**

IRF2BP1 (NM_015649) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IRF2BP1 (NM_015649) Human Untagged Clone
Tag:	Tag Free
Symbol:	IRF2BP1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC100453 sequence for NM_015649 edited (data generated by NextGen Sequencing)

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ATGGCGTCTGTGCAGGCGTCCC GCCAGTGGTGTACCTGTGCGACCTGCCAAGATG
CCGTGGGCCATGGTGTGGGACTTCAGCGAGGCCGTGTGTCGGCGCTGCGTGAACCTCGAG
GGCGGGACCCGCATCGAAGTGTCTATCGATGCCGCCGCCAGCTCAAGCGCAGCCACGTG
CTCCCCGAGGGCCGCTCGCCCGGCCCCCGGCCCTTAAGCACCCGGCCACCAAGGACCTG
CGGGCGGCAGCCGCACAGGGGCCAGCTGCCGCCCGCAGGCCAGCCAGCCAGCCGTC
GGGACCGGCGGGCGGTGTCGGGCCAGGACCGCTATGACAGGGCCACATCATCAGGCCGC
CTCCCCCTGCCCTCGCCCGCCCTGGAGTACACTCTGGGGTCCCGCTGGCCAATGGGCTG
GGCCGTGAGGAGGCCGTGGCTGAGGGGGCGCAAGGGCCTTGCTTGGCTCCATGCCTGGC
TTGATGCCCCCTGGGCTGCTGGCAGCTGCAGTGTCTGGCCTGGGAAGCCGAGGCCGTGACG
CTGGCACCCGGCTTGAGTCTGCCCGTCCCCTCTTCGGCTCCGATTTGAGAAAGAGAAG
CAGCAGAGGAATGCGGACTGTCTGGCAGAACTGAACGAGGCCATGCGAGGCCGGGCAGAG
GAATGGCACGGGGCCCCAAAGCAGTGGCGGAACAGCTACTGGCGCTGTCCGCTGCGCC
CCGTTCAATGTGCGCTTCAAGAAGGATCACGGGCTGGTGGGGCGAGTGTTCGCTTCGAT
GCTACTGCCCGTCTCCAGGATACGAGTTCGAGCTGAAGCTCTTACCGAATACCCTGT
GGTTCCGGCAATGTGTACGCCGGCGTCCCTGGCAGTGGCTCGCCAGATGTTCCACGATGCT
CTGCGGGAGCCGGGAAGGCACTGGCTTCTTCGGGCTTCAAGTACCTCGAATATGAACGC
CGGCATGGATCAGGAGAAATGGCGGCAGCTGGGCGAGCTGCTTACCGAGCGCGTCCGCAGC
TTCCGCGAGCCAGCTCCCGCGGAGGCCCTGCCCCAGCAGTACCCAGAGCCGGCCCTGGC
GCTCTCTGTGGCCACCCCGCAGCCCATCCCGAACCTGGCGCCACGCCGCGCCGT
CGCAAGGCATCCCCGAGCCGGAGGGCGAGGCGGCTGGGAAGATGACCACCGAGGAGCAG
CAGCAACGGCACTGGGTGGCACCCGGCGGCCGTAATCCGCTGAGACCCCTGGTGTGCC
TCGCCCATTGCCCCCTGAAGAATGTGGCCGAAGCCCTGGGCCACTACCCAAGGACCT
GGCGGAGCGGGGGCCCTGTGCGTGCAGGGGGCGCCAGCCCTGCAGCCTCCTCCACGGCC
CAGCCGCCAACCCAGCATCGCCTTGTGGCCCGAACGGCGAAGCAGAAGTCAGTCCACACA
GCGGGGGCCGAAGCTGTGAGCGGGGTGGCAGCGGCACTGGGGCGACCCCTGGGGCCCC
CTGTGCTGTACCCTGTGAGGGAGCGGCTAGAAGACCCCACTTCGTCCAGTGCCCTCG
GTGCCCGACACAAGTTCTGCTTCCCTGCTCCCGGGAGTTCATCAAGGCGCAGGGCCCG
GCCGGGGAGGTGTACTGCCCGAGCGGAGACAAGTGCCCGCTGGTGGCTCCTCCGTGCC
TGGGCCTTCATGCAGGGCGAGATCGCCACCATCCTTGCTGGAGACATCAAAGTTAAGAAA
GAACGGGACCCCTAG
    
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Clone variation with respect to NM_015649.1
 654 c=>g;1530 g=>a

5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_015649 unedited GTTGTAACGCCCGCCAGTCGNCGTTATGGGCGGTAGGCGTGCACGGTGGGAGGTCTATAT AAGCAGAGCTCATTAGGTGACACTATAGAATACAAGCTACTTGTCTTTTTGCAGCGGC CGCGAATTCGGCACGAGGGGGAGCCGAGGCGGCGGCGCTCGCGGCCATCGTGGGGCC GAGCTGTGCGCCTCGGCTCGGAGCCGGACCGGGCGGGGGCCGACGTGCCTCAGCCTG CCTTCGCGAGGGAGGCGGAGTGAGCAGAAAGGCTTAGGGCCAGGGGGCGGGAAAGGG GGCCGGGCTGGATCCGGCGGGGAGGCCGAGCCGAGGCGGACCGTGGCTCGCGCTGTC CCCGGGACGCGGATCGAACGTTGGCGGCGGATCGCACGTCGGCGGCCGTTGGAACGG GGAGCTGGGCGGCGCGGACTGGGCCATGGCGTCTGTGCAGGCGTCCCGCCGCAAGT GTGCTACCTGTGCGACTGCCAAGATGCCGTGGGCCATGGTGTGGGACTTCAGCGAGGC CGTGTGTCGCGGCTGCGTGAAGTTCGAGGGCGCGGACCGCATCGAACTGCTCATCGATGC CGCCCGCCAGCTCAAGCGCAGCCACGTGCTCCCGAGGGCCGCTCGCCCGGGCCCCGGC CCTTAAGCACCCGGTACCAAGGACCTGGCGGCGGAGCCGACAGGGGGCCCCAGCTGC CGCCCCGCAAGCCAGTCCCAGCCGTTAGGGACCGGGCGGCGTTGTGTCGGGCCACC ACCGCTTTTAACAGGCCCCATTTTTAAGGCCGCTACCCCTGCCCTCTGCCCGCCTTG AAGAACACTCTTGTGAGTCCGCCCTGGCCAATGGCCTGGTCTTGATGTGCCCTGGCCT AGCGGCCCCACAGTCTTTTTTGCCTTAT</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_015649 unedited NNNCGGTATAGCTATGNNACCGCGCCGCATNCTANGATCGAGTTTTTTTTTTTTTTTTT TTTTTTTTTTGAAAAAAAAAACCATCTTTCGGTTTATTGAAGGAGCAAAAGGGAGCGGG GGGTGGGGGGGTGGGAATTAATGCTTTTGCCTCGTTTATAAAGAGCGAGTTTTTCAGGAG GTCCCTTCTCAAGGAGGAGGGGGCACCTCTCCCAACTACAAGCAGCAGCAAAGCCAA GCCCAGGAGGACAGAGGGAAACTGGAGGGGCAAGGGACCCAAACACCCCTCGGACAG GAGCCACAAGCTTTCTCCCCCACCACCATGCATCTACCCAGGGGACCCCTCTGGGTG GAAGAAGGGAGTCTGTTCCACATAGAGGTGGCCCTGGGCTTGGTCCGGGAGGGAATAAT TTATCCGCGGCCCCCGTGGGTGGCAAAGGGGCCAGGGCAATATCCTGGAGGCCGTGTT GCCCAAGGGTCCCTTCTTTCTTAAGTGTCTCCCAAGATGGGGGCGATCTCT CCCTGACTGAAAGCCCTTGCCCGGTTGAACCCACCAACGGGCATTTGTCTTCCGCTGT GACAAGACACCTCCCCCGCCCGCCCTGCGCCTTTTGAATCCCCCGGGCCAGGAAA GCCACACTCTTTGCCCGCCCATGGGGGCGCGTGACACAAAAAGGGCGTCTTTATC TCCGCTCCCTTTCCAGGGACCCACACGGGGGCCCCAGGGGATTTCCAGCGCC CCTCTGTACCCCTATAGGAACGTTTTATACCCGCGCGTGTGGTCTACCCCTCTCTTTC ACCGTTTCGTGCCACCATAGAAACCAGCTTGGGTGACCTCGCCCCCGCGCCAGCTCG CGCT</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_015649
Insert Size:	800 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:	<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]