

Product datasheet for **SC118745**

IRF2 (NM_002199) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IRF2 (NM_002199) Human Untagged Clone
Tag:	Tag Free
Symbol:	IRF2
Synonyms:	IRF-2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_002199, the custom clone sequence may differ by one or more nucleotides

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ATGCCGGTGAAAAGGATGCGCATGCGCCCGTGGCTGGAGGAGCAGATAAACTCCAACACGATCCCGGGGC
TCAAGTGGCTTAACAAGGAAAAGAAGATTTTCAGATCCCCTGGATGCATGCGGCTAGACATGGGTGGGA
TGTGGAAAAGATGCACCACTCTTTAGAACTGGGCAATCCATACAGGAAAGCATCAACCAGGAGTAGAT
AAACCTGATCCCAAAACATGGAAGGCGAATTTAGATGCGCCATGAATTCCTTGCCTGATATTGAAGAAG
TCAAGGATAAAAGCATAAAGAAAGGAAATATGCCTTCAGGGTCTACCGAATGCTGCCCTATCAGAACG
GCCTTCTAAGAAAGGAAAGAAACCAAAGACAGAAAAGAAGACAAAGTTAAGCACATCAAGCAAGAACCA
GTTGAGTCATCTCTGGGGCTTAGTAATGGAGTAAGTGATCTTTCTCCTGAGTATGCGGTCTGACTTCAA
CTATAAAAAATGAAGTGGATAGTACGGTGAACATCATAGTTGTAGGACAGTCCCCTCTGGACAGCAACAT
TGAGAATCAAGAGATTGTCACCAATCCGCCAGACATTTGCCAAGTTGTAGAGGTGACCACTGAGAGCGAC
GAGCAGCCGGTCAGCATGAGCGAGCTCTACCCTCTGCAGATCTCCCCGTGTCTTCTATGCAGAAAAGCG
AAACGACTGATAGTGTGCCAGCGATGAAGAGAGTGCCGAGGGGGCGGCCACACTGGCGGAAGAGGAATAT
TGAAGGCAACAGTACCTCAGCAACATGGGGACTCGAGGCTCCTACCTGCTGCCCGCATGGCGTCTTTC
GTCACCTTCCAACAACCGGACCTCCAGGTCACCATCAAAGAGGAGAGCAATCCGGTGCCTTACAACAGCT
CCTGGCCCCCTTTTCAAGACCTCCCCCTTTCTTCTCCATGACCCAGCATCCAGCAGCAGTCCGGCCAGA
CCGGGAGACCCGGGCCAGCGTCATCAAGAAAACATCGGATATCACCCAGGCCCGCTCAAGAGCTGTAA
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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_002199 unedited</p> <pre> ATTTAGAATTTGTAAACGACTTACTATAGGCGGCCGACGAATTCGCACGAGGCTGGACTG TTCTCAGGCAAGCCGGGGAGTAACTTTTGTCTCTGCGATTATTCAACTGACGGG CTTTCAATTTCCATTTACACACCCTAGCAACACTTATACCTTGCAGGAAATGTATTGGTAG NCGTGAAAAAAGCACACTGAGAGGGCACCATGCCGGTGGAAAGGATGCGCATGCGCCCGT GGCTGGAGGAGCAGATAAACTCCAACACGATCCCGGGGCTCAAGTGGCTTAACAAGGAAA AGAAGATTTTTCAGATCCCCTGGATGTCATGCGGCTAGACATGGGTGGGATGTGGAAAAAG ATGCACCACTCTTTAGAACTGGGCAATCCATACAGGAAAGCATCAACCAGGAGTAGATA AACCTGATCCCAAACATGGAAGCGAATTTTCAGATGCGCCATGAATTCCTTGCCTGATA TTGAAGAAGTCAAGGATAAAAGCATAAAGAAAGGAAATAATGCCTTCAGGGTCTACCGAA TGCTGCCCTATCAGAACGGCCTTCTAAGAAAGGAAAGAAACCAAGACAGAAAAAGAAG ACAAAGTTAAGCACATCAAGCAAGAACCAGTTGAGTCATCTCTGGNGCTTAGTAATGGAG TAAGTGATCTTTCTCTGAGTATGCGGTCCTGACTTCACTATAAAAAATGAAGTGGATA GTACGGTGAACATCATAGTTGTAGGACAGTCCCATCTGGACAGCAACATTGAGAATCAAG AGATTGTACCAATCCGCCAGACATTTGCCAAGTTGTAGAGGTGACCACTGAGAGCGACG AGCAGCCGGTCAGCATGAGCGAGCTCTACCCTCTGCAGATCTCCCCCGTGCCTTCTATG CAGAAGCGAACGACTGATAGTG </pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_002199 unedited</p> <pre> AAAGATTAAACTATGATATTCATATNCGATTTTATTATNCAATNCCACAGGGAAAATCTG ATTGCTACATGAGCTCATAAAAGCTTTTTTACCTTTACAAAATTAATAAAAAAAAAATGTG CCACAAGGATGTAATAACAACACTGCTGATAAACAAGAAAAGGAATCTTAAATATAAATT TGCTGTAGAAAAGATAAAAAACAATTATATTTTATTTAGAAATTTACCTTGAATAAAATA TTCCCCTGTATAAAAAATAAAAAGCTTGTCTGGTTAGAATTAGAGTATTTTTGTCTTC AAATCTGGGAATTTGCATAATATTTCCATGATACTTTTTCTTTGTACCGCGTGGCATT AAGCATAGCAGATTAGAAGGATTTTTTTAAAGCAGTCTGAAAATGGGACATCTGTAGAG AAATTCATTTCTTTCTCTCCGGATGTGGAATGGAAGCTTTGAGGGAAGGAAAAGTA GGAAAAGAGCGGGATGGGATGGGATGGGATGGGATGGGATGGGATAGGAAGAGAGGCTGG GGAATGGGCAGAGAAGGGGGTGTGAGTGTGCTGTGAGATAGAGCAAGATCACAAGAGCG CCTATCTGTTAGTGCTTTAAGATAAGGTGCAGAAGCAGACTGCAATGTCGCTAGTGCTGC CTATGTACATATTACAAGGAATAAAAAATCCACCTAGTTCACATTATCTCGTCCCGTCTG AGGCATCCAATTCACCTTGTCTTCCCTGACCGTAGGCAATGCAGCACCCCTCCACTGCC TCGTTGGGCTTGAACCTTCAGTGAGCACCCCTGGGGTATCCAACCGCTTTTAAAAA CCAAACCCCTATCAAAGGGGCTGGAGCCCTCGGGTCAAAGAGAACTTCCACTCTGGAT CCGGACACACAACACCCACGCCCCACGGTTAGGGTTCTCTTCTTACTTTGCTATAATC CGCGCGCGCCGCTCTTAATATTATTTCTCTCCCCCACAACCTCCACGTGTCTCAACC CCCTTCGTTTCAGTTAAGGCTCCTTTTCTT </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_002199
Insert Size:	2390 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_002199.2](#), [NP_002190.1](#)

RefSeq Size: 2223 bp

RefSeq ORF: 1050 bp

Locus ID: 3660

UniProt ID: [P14316](#)

Cytogenetics: 4q35.1

Domains: IRF

Protein Families: Druggable Genome, Transcription Factors

Gene Summary: IRF2 encodes interferon regulatory factor 2, a member of the interferon regulatory transcription factor (IRF) family. IRF2 competitively inhibits the IRF1-mediated transcriptional activation of interferons alpha and beta, and presumably other genes that employ IRF1 for transcription activation. However, IRF2 also functions as a transcriptional activator of histone H4. [provided by RefSeq, Jul 2008]