

Product datasheet for **SC119140**

IRF3 (NM_001571) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IRF3 (NM_001571) Human Untagged Clone
Tag:	Tag Free
Symbol:	IRF3
Synonyms:	IIAE7
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF: >OriGene sequence for NM_001571 edited
 CCCACGCGTCCGCTACCCTGAAAGTGGGGATACTTACTTTTCGATGATGTGGGGGAGGGAG
 GAGGTCTATACTGGCGGAATTGAGGGAGTGGAGGGTCTGCACTGAAGACGCTGGGGAAAGG
 ATGTGCCATGGATATGGGAAGGAACCCTAGCTGATTAGAGAGCCTCTCGGGAGGATGGGA
 GGATGGGAAGAGGAGGTTTCTGTGGTGTACCCCGAAAATATGGGTGAAGGACCTGTGCC
 GTGGCCCGTGAGAAGGAGGTCTGGGTGCGGAACTCCAGGCCAGGTGGGTCCGGGGGAGG
 CCGGTGCGCGCCAGGAAATGCCCTATACGCGCAGGCGGACCATGGGAACCCCAAAGCCA
 CGGATCCTGGCTGGTGTGCGCAGCTGGACCTGGGGCAACTGGAGGGCGTGGCCTGG
 GTGAACAAGAGCGCACGCGCTTCCGCATCCCTTGAAGCACGGCCTACGGCAGGATGCA
 CAGCAGGAGGATTTCCGAATCTTCCAGGCTGGGCCGAGGCCACTGGTGCATATGTTCCC
 GGGAGGGATAAGCCAGACCTGCCAACCTGGAAGAGGAATTTCCGCTCTGCCCTCAACCGC
 AAAGAAGGTTGCGTTTAGCAGAGGACCGGAGCAAGGACCCTCACGACCCACATAAAATC
 TACGAGTTTGTGAACTCAGGAGTTGGGGACTTTTCCAGCCAGACACCTCTCCGGACACC
 AATGGTGGAGGCAGTACTTCTGATACCCAGGAAGACATTCTGGATGAGTTACTGGGTAAC
 ATGGTGTGGCCCACTCCAGATCCGGGACCCCAAGCCTGGCTGTAGCCCTGAGCCC
 TGCCCTAGCCCCCTGCGGAGCCCCAGCTTGGACAATCCCACTCCCTTCCCAAACCTGGGG
 CCCTCTGAGAACCCTGAAGCGGCTGTTGGTGCCTGGGGGGAAGAGTGGGAGTTCGAGGTG
 ACAGCCTTCTACCGGGGCCGCAAGTCTTCCAGCAGACCATCTCCTGCCCGGAGGGCCTG
 CGGCTGGTGGGGTCCGAAGTGGGAGACAGGACGCTGCCTGGATGGCCAGTCACTGCCA
 GACCCTGGCATGTCCCTGACAGACAGGGGAGTGATGAGCTACGTGAGGCATGTGCTGAGC
 TGCTGGTGGGGACTGGCTCTTGGCGGGCCGGGCAGTGGCTCTGGGCCAGCGGCTG
 GGGCACTGCCACACATACTGGGCAGTGAGCGAGGAGCTGCTCCCCAACAGCGGGCATGG
 CCTGATGGCGAGGTCCTCAAGGACAAGGAAGGAGGCGTGTGGTACCTGGGGCCCTTCATT
 GTAGATCTGATTACCTTACGGAAGGAAGCGGACGCTCACACGCTATGCCCTCTGGTTC
 TGTGTGGGGGAGTCATGGCCCCAGGACAGCCGTGGACCAAGAGGCTCGTGATGGTCAAG
 GTTGTGCCACGTGCCTCAGGGCCTTGGTAGAAATGGCCCGGGTAGGGGGTGCCTCCTCC
 CTGGAGAATACTGTGGACCTGCACATTTCCAACAGCCACCCACTCTCCCTCACCTCCGAC
 CAGTACAAGGCCTACCTGCAGGACTTGGTGGAGGGCATGGATTTCCAGGGCCCTGGGGAG
 AGCTGAGCCCTCGCTCCTCATGGTGTGCCTCAACCCCTGTCCCCACCACCTCAACC
 AATAAACTGGTTCCTGCTATGAAAAAAAAAAAAAAAA

Restriction Sites: NotI-NotI

ACCN: NM_001571

Insert Size: 1700 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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_001571.2 , NP_001562.1
RefSeq Size:	1648 bp
RefSeq ORF:	1284 bp
Locus ID:	3661
UniProt ID:	Q14653
Cytogenetics:	19q13.33
Domains:	IRF
Protein Families:	Druggable Genome, Transcription Factors
Protein Pathways:	Cytosolic DNA-sensing pathway, RIG-I-like receptor signaling pathway, Toll-like receptor signaling pathway
Gene Summary:	<p>This gene encodes a member of the interferon regulatory transcription factor (IRF) family. The encoded protein is found in an inactive cytoplasmic form that upon serine/threonine phosphorylation forms a complex with CREBBP. This complex translocates to the nucleus and activates the transcription of interferons alpha and beta, as well as other interferon-induced genes. The protein plays an important role in the innate immune response against DNA and RNA viruses. Mutations in this gene are associated with Encephalopathy, acute, infection-induced, herpes-specific, 7. [provided by RefSeq, Sep 2020]</p> <p>Transcript Variant: This variant (1) encodes isoform 1.</p>