

Product datasheet for **SC316389**

IRF5 (NM_001098627) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IRF5 (NM_001098627) Human Untagged Clone
Tag:	Tag Free
Symbol:	IRF5
Synonyms:	SLEB10
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_001098627 edited
 GTCCAGCTGCGCCTGGAAAGCGAGCTCGGACCCCTCTGCCATGAACCAAGTCCATCCCAGT
 GGCTCCCACCCACCCCGCCGCGTGC GGCTGAAGCCCTGGCTGGTGGCCAGGTGAACAG
 CTGCCAGTACCCAGGGCTTCAATGGGTCAACGGGGAAAAGAAATTATTCTGCATCCCCTG
 GAGGCATGCCACAAGGCATGGTCCCAGCCAGGACGGAGATAACACCATCTTCAAGGCCTG
 GGCCAAGGAGACAGGGAATACACCGAAGGCGTGGATGAAGCCGATCCGGCCAAGTGAA
 CCGGGACATGCCACCTCAGCCCTACAAGATCTACGAGGTCTGCTCCAATGGCCCTGCTCC
 CACAGACTCCCAGCCCCCTGAGGATTACTCTTTTGGTGCAGGAGAGGAGGAGGAAGAAGA
 GGAAGAGCTGCAGAGGATGTTGCCAAGCCTGAGCCTCACAGAGGATGTCAAGTGGCCGCC
 CACTCTGCAGCCGCCACTCTGCGGCCGCTACTCTGCAGCCGCCACTCTGCAGCCGCC
 CGTGGTGTGGTCCCCCTGCTCCAGACCCAGCCCCCTGGCTCCTCCCCCTGGCAACCC
 TGCTGGCTTCAGGGAGCTTCTCTGAGGTCTGGAGCCTGGGCCCTGCCTGCCAGCCT
 GCCCCTGCAGGGCAACAGCTCCTGCCAGACCTGCTGATCAGCCCCACATGCTGCCTCT
 GACCGACTGGAGATCAAGTTTTCAGTACGGGGGGCGCCACCCCGGGCCCTCACCATCAG
 CAACCCCATGGCTGCCGCTCTTCTACAGCCAGCTGGAGGCCACCCAGGAGCAGGTGGA
 ACTCTTCGGCCCCATAAGCCTGGAGCAAGTGCCTTCCCAGCCCTGAGGACATCCCAG
 TGACAAGCAGCGCTTCTACACGAACCAGCTGCTGGATGCTCTGGACCGGGGCTCATCT
 CCAGCTACAGGGCCAGGACCTTTATGCCATCCGCTGTGTGAGTCAAGGTGTTCTGGAG
 CGGGCCTTGTGCCTCAGCCCATGACTCATGCCCAACCCCATCCAGCGGGAGGTCAAGAC
 CAAGCTTTTCAGCCTGGAGCATTTTCTCAATGAGCTCATCCTGTTCCAAAAGGGCCAGAC
 CAACACCCACCACCTTCGAGATCTTCTTCTGCTTTGGGAAGAATGGCCTGACCGCAA
 ACCCCGAGAGAAGAAGCTCATTACTGTACAGGTGGTGCCTGTAGCAGCTCGACTGTGCT
 GGAGATGTTCTCAGGGGAGCTATCTTGGTCAGCTGATAGTATCCGGCTACAGATCTCAA
 CCCAGACCTCAAAGACCGCATGGTGGAGCAATTCAAGGAGCTCCATCACATCTGGCAGTC
 CCAGCAGCGGTTGCAGCCTGTGGCCAGGCCCTCCTGGAGCAGGCCTTGGTGTGGCCA
 GGGGCCCTGGCCTATGCACCCAGCTGGCATGCAATAACAAGGCTGCAGACGGTGACTGGC
 CCTGGCTTCTGGGTGGCGGTGCGGACTGATGTGGAGATGTGACAGCCCGATGAGCACC
 TGGCTGGCTGCAGGGTCTACCTCTGGTTCCTGGAAGTGGATCTGGGCAAGAAGGAG
 AGGGAGAAAGGCCGAGCCCTGCCTTCCCGGGCTTTCTCTCTGGGCTGTCTGTGTC
 TGGTGAGCTGGCTCTCGGAAATTCAGCCATGAGCAGGAAAGAACTCTCCAACCTG
 GGGCCTAGCTGTATAGGAGGAATTGCCTAAGGGTGGCCACTCTTGTGATTGCCCATTT
 CCTCTGGCAACAAAAGCCAGAGTGTGGGCCAAGTCCCCCACAGGGCCTCTGAGGG
 CATGGCCCTGATTTCCCTGGTTTGGAGACTCACTTCTCATCTCCCTGTCTCTGAGATAA
 TATGAGTGAGCACTTAGGTATCATATCAGATGCTCAAGGCTGGCAGCTACCCCTTCTTG
 AGAGTCCAAGAACCTGGAGCAGAAATAATTTTTATGATTTTTGGATTAATAAATGTTAA
 AAACAGAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_001098627

Insert Size: 2100 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: The ORF of this clone has been fully sequenced and found to be a perfect match to NM_001098627.1.

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:	<u>NM_001098627.1</u> , <u>NP_001092097.1</u>
RefSeq Size:	2870 bp
RefSeq ORF:	1467 bp
Locus ID:	3663
UniProt ID:	<u>Q13568</u>
Cytogenetics:	7q32.1
Protein Families:	Transcription Factors
Protein Pathways:	Toll-like receptor signaling pathway
Gene Summary:	<p>This gene encodes a member of the interferon regulatory factor (IRF) family, a group of transcription factors with diverse roles, including virus-mediated activation of interferon, and modulation of cell growth, differentiation, apoptosis, and immune system activity. Members of the IRF family are characterized by a conserved N-terminal DNA-binding domain containing tryptophan (W) repeats. Alternative promoter use and alternative splicing result in multiple transcript variants, and a 30-nt indel polymorphism (SNP rs60344245) can result in loss of a 10-aa segment. [provided by RefSeq, Dec 2016]</p> <p>Transcript Variant: This variant (3) differs in the 5' UTR and uses an alternate in-frame splice site in the coding region, compared to variant 9. The encoded isoform (b) is shorter, compared to isoform d. Variants 2, 3, and 6 encode the same isoform.</p>