

Product datasheet for **SC316388**

IRF5 (NM_001098628) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IRF5 (NM_001098628) Human Untagged Clone
Tag:	Tag Free
Symbol:	IRF5
Synonyms:	interferon regulatory factor 5; 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_001098628 edited
 GGTGCTCCCTGGCGCAGCCACGCAGGCGCACCGCAGACAGACCCCTCTGCCATGAACCAG
 TCCATCCCAGTGGCTCCCACCCACCCCGCCGCTGCGGCTGAAGCCCTGGCTGGTGGCC
 CAGGTGAACAGCTGCCAGTACCCAGGGCTTCAATGGGTCAACGGGGAAAAGAAATATTTC
 TGCATCCCCTGGAGGCATGCCACAAGGCATGGTCCCAGCCAGGACGGAGATAACACCATC
 TTCAAGGCCTGGCCAAGGAGACAGGAAATACACCGAAGGCGTGGATGAAGCCGATCCG
 GCCAAGTGAAGGCCAACCTGCGCTGTGCCCTTAAACAAGAGCCGGGACTTCCGCCTCATC
 TACGACGGGCCCGGGACATGCCACCTCAGCCCTACAAGATCTACGAGGTCTGCTCCAAT
 GGCCCTGCTCCCACAGACTCCCAGCCCTGAGGATTACTCTTTTGGTGCAGGAGAGGAG
 GAGGAAGAAGAGGAAGAGCTGCAGAGGATGTTGCCAAGCCTGAGCCTCACAGAGGATGTC
 AAGTGGCCGCTACTCTGCAGCCGCCACTCTGCAGCCGCCGCTGGTGTGGTCCCCT
 GCTCCAGACCCAGCCCTGGCTCCTCCCCTGGCAACCCTGCTGGCTCAGGGAGCTT
 CTCTGTAGGCTCTGGAGCTGGGCCCTGCCTGCCAGCCTGCCCTGCAGGCGAACAG
 CTCCTGCCAGACCTGCTGATCAGCCCCACATGCTGCCTCTGACCGACCTGGAGATCAAG
 TTTCAAGTACCGGGGGCGCCACCCCGGGCCCTCACCATCAGCAACCCCATGGCTGCCGG
 CTCTTCTACAGCCAGCTGGAGGCCACCCAGGAGCAGGTGGAACCTTTCGGCCCATAAAGC
 CTGGAGCAAGTGCCTTCCCAGCCCTGAGGACATCCCCAGTGACAAGCAGCGCTTCTAC
 ACGAACAGCTGCTGGATGTCCTGGACCGGGCTCATCTCCAGCTACAGGGCCAGGAC
 CTTTATGCCATCCGCCTGTGTCAGTGAAGGTGTTCTGGAGCGGGCCTTGTGCCTCAGCC
 CATGACTCATGCCCAACCCATCCAGCGGGAGGTCAAGACCAAGCTTTTCAGCCTGGAG
 CATTTTCTCAATGAGCTCATCTGTTCCAAAAGGGCCAGACCAACACCCACCACCTTC
 GAGATCTTCTTCTGCTTTGGGGAAGAATGGCCTGACCGCAACCCCGAGAGAAGAAGCTC
 ATTACTGTACAGTGGTGCCTGTAGCAGCTCGACTGCTGCTGGAGATGTTCTCAGGGGAG
 CTATCTTGGTCAGCTGATAGTATCCGGCTACAGATCTCAAACCCAGACCTCAAAGACCGC
 ATGGTGGAGCAATTCAAGGAGCTCCATCACATCTGGCAGTCCCAGCAGCGTTGCAGCCT
 GTGGCCAGGCCCTCCTGGAGCAGGCCTTGGTGTGGCCAGGGGCCCTGGCCTATGCAC
 CCAGCTGGCATGCAATAACAAGGCTGCAGACGGTACTGGCCCTGGCTTCTGGTGGCG
 GTGCGGACTGATGTGGAGATGTGACAGCCCGATGAGCACCTGGTGGCTGCAGGGTCT
 ACCTCTGGGTTTCTGGAAGTGGATTTGGGCCAAGAAGGAGAGGGAGAAAGGCCGAGCC
 CCTGCCTTCCCGGCCTTCTCTCTGGGCTGTCTCTGGTCTGGTCCAGCCTGGCTCTCGG
 GAAATTCAGCCATGAGCAGGGAAGAAGTCTCCCAACCCTGGGGCCTAGCTGTATAGGAG
 GAATTGCCTAAGGGTGGCCCACTTGTGATTGCCCATTTCTCTGGCAACAAAAGCCA
 GAGTGTGTGGGCCAAGTCCCCCACAGGGCCTCTGCAGGGCATGGCCCTGATTTCCCTG
 GTTTGAGACTCACTTCTCATCTCCCTGTCTCTGAGATAATATGAGTGAGCACTTAGGT
 ATCATATCAGATGCTCAAGGCTGGCAGCTACCCCTTCTTGGAGTCCAAGAACCTGGAG
 CAGAAATAATTTTATGTATTTTGGATTAATGAATGTTAAAAACAGACTCAGCTGTTTC
 TTTCTTTTACTACTACAGTTGCTCCCATGCTGCTCCACCAGGCCCTGTTTCGGATGCC
 AACTGGCCCACTCCCAAGCAGTGGCCCACTTGGCCAGCTTGGCACCATTGGCACTGGGAGG
 GCCTCTGGGCTGATGGGTCAGTTGGGCCTTATAAACACTCACCTGGCTGGCTTTGCT
 TCCAGGAGGAAGCTGGCTGAAGCAAGGGTGTGGAATTTTAAATGTGTGCACAGTCTGGAA
 AACTGTGAGAATCAGTTTTCCCATAAAAGGGTGGGCTAGCATTGCAGCTGCATTTGGGAC
 CATTCAAATCTGTCACTCTTGTGTATATTCCTGTGCTATTAATATATCAGGGCAGTG
 CATGTAATCATCCTGATATATTTAATATATTTATATATTTGCCCCGAGGTGGGGACA
 GTGAGTGAGTTCTTAGTCCCCCAGAGCTGGTGTAAAGAGCCTGGCACCTACCCGC
 TCTCACTTCACTGTGTCATCTGCACACTCCAGCCACTTTCTGCCTCAGCCATTGA
 GTGGAAGCTGCCAGGCCCTTACCAGGTGCAGATGCCCAATCTTGATGCCAGCCATCA
 GAACTGTGAGCCAAATAAACCTTTTCTGTATAAATTAATAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire
ACCN: NM_001098628
Insert Size: 2800 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 clone has been fully sequenced and found one SNP within the protein associated with this reference, NM_001098628.1. This SNP doesn't change amino acid.
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_001098628.1, NP_001092098.1</u>
RefSeq Size:	2822 bp
RefSeq ORF:	1467 bp
Locus ID:	3663
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 (4) lacks two alternate in-frame segments compared to variant 5. The resulting isoform (c) has the same N- and C-termini but is shorter compared to isoform d.</p>