

Product datasheet for **SC316387**

IRF5 (NM_001098631) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IRF5 (NM_001098631) Human Untagged Clone
Tag:	Tag Free
Symbol:	IRF5
Synonyms:	interferon regulatory factor 5; SLEB10
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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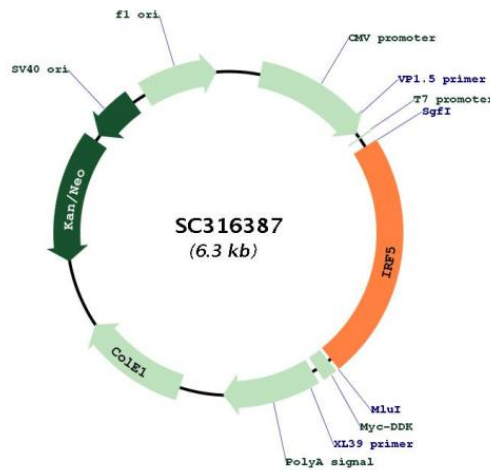
Fully Sequenced ORF: >SC316387 representing NM_001098631.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAACCAAGTCCATCCCAGTGGCTCCCACCCACCCCGCCGCTGCGGCTGAAGCCCTGGCTGGTGGCC
CAGGTGAACAGCTGCCAGTACCCAGGGCTCAATGGGTCAACGGGGAAAAGAAATTATTCTGCATCCCC
TGGAGGCATGCCACAAGGCATGGTCCCAGCCAGGACGGAGATAACACCATCTTCAAGGCCTGGGCCAAG
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GCCCTTAAACAAGAGCCGGGACTTCCGCCTCATCTACGACGGGCCCGGGACATGCCACCTCAGCCCTAC
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TTGAGCCTGTGGCCAGGCCCTCCTGGAGCAGGCTTGGTGTGGCCAGGGGCCCTGGCTATGCAC
CCAGCTGGCATGCATAA
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TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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Restriction Sites: SgfI-MluI

Plasmid Map:



ACCN: NM_001098631

Insert Size:	1467 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:	<u>NM_001098631.1</u>
RefSeq Size:	2741 bp
RefSeq ORF:	1467 bp
Locus ID:	3663
Cytogenetics:	7q32.1
Protein Families:	Transcription Factors
Protein Pathways:	Toll-like receptor signaling pathway
MW:	54.9 kDa
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 (7) differs in the 5' UTR and 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>