

## Product datasheet for **SC331805**

### IRF5 (NM\_001242452) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** IRF5 (NM\_001242452) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** IRF5  
**Synonyms:** SLEB10  
**Vector:** pCMV6-Entry (PS100001)  
**Fully Sequenced ORF:** >SC331805 representing NM\_001242452.  
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGAACCAGTCCATCCCAGTGGCTCCCACCCACCCCGCCGCTGCGGCTGAAGCCCTGGCTGGTGGCC
CAGGTGAACAGCTGCCAGTACCCAGGGCTTCAATGGGTCAACGGGGAAAAGAAATTATTCTGCATCCCC
TGGAGGCATGCCACAAGGCATGGTCCCAGCCAGGACGGAGATAACACCATCTTCAAGGCCTGGGCCAAG
GAGACAGGGAAATACACCGAAGGCGTGGATGAAGCCGATCCGGCCAAGTGAAGGCCAACCTGCGCTGT
GCCCTTAAACAAGAGCCGGGACTTCGCCTCATCTACGACGGGCCCCGGGACATGCCACCTCAGCCCTAC
AAGATCTACGAGGTCTGCTCCAATGGCCCTGCTCCCACAGACTCCCAGCCCTGAGGATTACTCTTTT
GGTGCAGGAGAGGAGGAGGAAGAAGAGGAGAGCTGCAGAGGATGTTGCCAAGCCTGAGCCTCACAGTG
ACCGACCTGGAGATCAAGTTTCAGTACCGGGGGCGGCCACCCCGGCCCTCACCATCAGCAACCCCAT
GGCTGCCGGCTCTTCTACAGCCAGCTGGAGGCCACCCAGGAGCAGGTGGAAGTCTTCGGCCCCATAAGC
CTGGAGCAAGTGCCTTCCCCAGCCCTGAGGACATCCCCAGTGAAGCAGCGCTTCTACACGAACCAG
CTGCTGGATGTCTGGACCGGGCTCATCTCCAGCTACAGGGCCAGGACCTTTATGCCATCCGCTG
TGTCAGTGCAAGGTGTTCTGGAGCGGCCTGTGCCTCAGCCATGACTCATGCCCAACCCATCCAG
CGGGAGGTCAAGACCAAGCTTTTCAGCCTGGAGCATTCTTCTGCTTTGGGGAAGAATGGCCTGACCGCAAACCC
CAGACCAACACCCACCCCTTCGAGATCTTCTGCTTTGGGGAAGAATGGCCTGACCGCAAACCC
CGAGAGAAGAAGCTCATTACTGTACAGGTGGTGCCTGTAGCAGCTCGACTGCTGCTGGAGATGTTCTCA
GGGAGCTATCTTGGTCAGCTGATAGTATCCGGCTACAGATCTCAAACCCAGACCTCAAAGACCGCATG
GTGGAGCAATTCAGGAGCTCCATCACATCTGGCAGTCCCAGCAGCGGTTGCAGCCTGTGGCCAGGCC
CCTCCTGGAGCAGGCCTTGGTGTGGCCAGGGCCCTGGCCTATGCACCCAGCTGGCATGCAATAA
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**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001242452  
**Insert Size:** 1239 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).



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<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_001242452.1</u>
<b>RefSeq Size:</b>	2594 bp
<b>RefSeq ORF:</b>	1239 bp
<b>Locus ID:</b>	3663
<b>UniProt ID:</b>	<u>Q13568</u>
<b>Cytogenetics:</b>	7q32.1
<b>Protein Families:</b>	Transcription Factors
<b>Protein Pathways:</b>	Toll-like receptor signaling pathway
<b>MW:</b>	47 kDa
<b>Gene Summary:</b>	<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 (8) differs in the 5' UTR and lacks an alternate in-frame exon, compared to variant 9. The encoded isoform (e) is shorter, compared to isoform d.</p>