

Product datasheet for **SC126916**

IRF7 (NM_004031) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IRF7 (NM_004031) Human Untagged Clone
Tag:	Tag Free
Symbol:	IRF7
Synonyms:	IMD39; IRF-7; IRF-7H; IRF7A; IRF7B; IRF7C; IRF7H
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC126916 representing NM_004031.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGCCAGTCCCCGAGCGCCCTGCAGCCGGCCCTGACTCTCCGCGGCCGGGCACCCGAGGGCAGCCCCA
CGCGTGTCTTCGAGAGTGGCTCCTTGGAGAGATCAGCAGCGGCTGCTATGAGGGGCTGCAGTGGCTG
GACGAGGCCCGCACCTGTTCCGCGTGCCTGGAAGCACTTCGCGCGCAAGGACCTGAGCGAGGCCGAC
GCGCGCATCTTCAAGGCCTGGGCTGTGGCCCGCGCAGGTGGCCGCTAGCAGCAGGGGAGGTGGCCCG
CCCCCGAGGCTGAGACTGCGGAGCGCGCCGGCTGAAAAACCAACTTCCGCTGCGCACTGCGCAGCACG
CGTCGTTCTGTATGCTGCGGGATAACTCGGGGACCCGCGCACCCGACAAGGTGTACGCGCTCAGC
CGGGAGCTGTGCTGGCGAGAAGGCCAGGCACGGACCAGACTGAGGCAGAGGCCCGCAGCTGTCCCA
CCACCACAGGGTGGGCCCGAGGCCATTCTGGCACACACATGCTGGACTCCAAGCCCCAGGCCCC
CTCCCTGCCCGAGCTGGTGACAAGGGGACCTCTGCTCCAGGCAGTGCAACAGAGCTGCCTGGCAGAC
CATCTGCTGACAGCGTATGGGGGCGAGATCCAGTCCCAACCAAGGCTCTGGAGAGGGACAAGAAGGG
TTCCCTGACTGGGGCTGTGCTGGAGGCCAGGGCTCCCTGCTGGGGAGCTGTACGGGTGGGCAGTA
GAGACGACCCCGAGCCCGGGCCCGAGCCCGGCACTAACGACAGGCGAGGCCCGCGGCCCGAGAGTCC
CCGACCAGGCAGAGCCGTACCTGTACCCCTCCCAAGCGCTGCACCGGTTGCAAGAGCCAGCCCA
GGGGCGTGGACGTGACCATCATGTACAAGGGCCGACGGTGTGCGAAGGTGGTGGGACCCCGAGC
TGCACGTTCTATACGGCCCCCAGACCCAGCTGTCCGGGCCACAGACCCCGAGAGTATGATTCCCC
AGCCCTGCCGAGCTCCCGGACGAGAAGCAGCTGCGCTACACGGAGGAAGTGTGCGGCACGTGGCCCT
GGGTTGCACCTGGAGCTTCGGGGCCACAGCTGTGGGCCCGCGCATGGGCAAGTGAAGGTGTACTGG
GAGGTGGGCGGACCCCGAGCTCCGCGCCAGCCCTCCACCCAGCCTGCCTGCTCCGAACTGACTGG
ACCCCCATCTTCGACTTCAGAGTCTTCTTCCAAGAGCTGGTGAATTCCGGGCACGGCAGGCCGCTGGC
TCCCCACGCTATACCATCTACCTGGGCTTCGGGCAGGACCTGTCAGCTGGGAGGCCAAGGAGAAGAGC
CTGGTCTGTTGAAGCTGGAACCCTGGCTGTGCCGAGTGACCTAGAGGGCACGCAGCGTGGGGTGTG
TCTTCCCTGGATAGCAGCAGCCTCAGCCTCTGCCTGTCCAGCGCCAACAGCCTCTATGACGACATCGAG
TGTTCTTATGGAGCTGGAGCAGCCCGCTAG
AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGAT
ATCCTGGATTACAAGGATGACGACGATAAGGTTTAA
  
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- Restriction Sites:** SgfI-RsrII
- ACCN:** NM_004031
- Insert Size:** 1551 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).
- 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:**
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_004031.1</u>
RefSeq Size:	1940 bp
RefSeq ORF:	1551 bp
Locus ID:	3665
UniProt ID:	<u>Q92985</u>
Cytogenetics:	11p15.5
Protein Families:	Transcription Factors
Protein Pathways:	Cytosolic DNA-sensing pathway, RIG-I-like receptor signaling pathway, Toll-like receptor signaling pathway
MW:	55.6 kDa
Gene Summary:	<p>IRF7 encodes interferon regulatory factor 7, a member of the interferon regulatory transcription factor (IRF) family. IRF7 has been shown to play a role in the transcriptional activation of virus-inducible cellular genes, including interferon beta chain genes. Inducible expression of IRF7 is largely restricted to lymphoid tissue. Multiple IRF7 transcript variants have been identified, although the functional consequences of these have not yet been established. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (d) encodes the longest isoform (d).</p>