

Product datasheet for **SC109354**

IRF7 (NM_004029) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IRF7 (NM_004029) Human Untagged Clone
Tag:	Tag Free
Symbol:	IRF7
Synonyms:	IMD39; IRF-7; IRF-7H; IRF7A; IRF7B; IRF7C; IRF7H
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_004029 edited
 GAATTCGGCACGAGGCTTCCCCTCCCGCGGCTCTGGCACCCAGGGTCCGGCCTGCGCCT
 TCCCGCCAGGCCTGGACTGTTCAACACCTGTGACTTCATGTGTGCGCGCCGGCCACA
 CCTGCAGTCACACCTGTAGCCCCCTCTGCCAAGAGATCCATACCGAGGCAGCGTCGGTGG
 CTACAAGCCCTCAGTCCACACCTGTGGACACCTGTGACACCTGGCCACACGACCTGTGGC
 CGCGGCTGGCGTCTGCTGCGACAGGAGCCCTTACCTCCCCTGTTATAACACCTGACCCG
 CACCTAACTGCCCTGCAGAAGGAGCAATGGCCTTGGCTCCTGAGAGGGCAGCCACCGC
 GTGCTGTTTCGGAGAGTGGCTCCTTGGAGAGATCAGCAGCGGCTGCTATGAGGGGCTGCAG
 TGGCTGGACGAGGCCCGACCTGTTTCCGCGTGCCTGGAAGCACTTCGCGCGCAAGGAC
 CTGAGCGAGGCCGACGCGCATCTTCAAGGCCTGGGCTGTGGCCCGCGGAGGTGGCCG
 CCTAGCAGCAGGGGAGGTGGCCCGCCCCGAGGCTGAGACTGCGGAGCGCGCGGCTGG
 AAAACCAACTTCCGCTGCGCACTGCGCAGCAGCGTCGTTCTGTGATGCTGCGAGATAAC
 TCGGGGGACCCGCGCACCCGACAAGGTGTACGCGCTCAGCCGGGAGCTGTGCTGGCGA
 GAAGGCCAGGCACGGACAGACTGAGGCAGAGGCCCGCGAGCTGTCCACCACCACAG
 GGTGGGCCCCAGGGCCATTCTGGCACACACATGCTGGACTCCAAGCCCCAGGCCCC
 CTCCTGCCCCAGCTGGTGACAAGGGGGACCTCCTGCTCCAGGCAGTGAACAGAGCTGC
 CTGGCAGACCATCTGCTGACAGCGTCATGGGGGGCAGATCCAGTCCCAACCAAGGCTCCT
 GGAGAGGGACAAGAAGGGCTTCCCCTGACTGGGGCCTGTGCTGGAGGCGAGGCCGCGGCC
 CCAGAGTCCCCGACCCAGGCAGAGCCGTACCTGTACCCTCCCCAAGCGCCTGCACCCGG
 GTGCAAGAGCCCAGCCCAGGGGCGCTGGACGTGACCATCATGTACAAGGGCCGACGGTG
 CTGCAAGAGTGGTGGGACACCCGAGCTGCACGTTCTATAACGGCCCCAGACCCAGCT
 GTCCGGGCCACAGACCCAGCAGGTAGCATTCCCAGCCCTGCCGAGCTCCCGGACCCAG
 AAGCAGCTGCGCTACACGGAGGAACTGCTGCGGCACGTGGCCCCCTGGGTTGACCTGGAG
 CTTTCGGGGCCACAGCTGTGGGCCCGGCCATGGGCAAGTGCAAGGTGTACTGGGAGGTG
 GCGGACCCCGAGCTCCGCCAGCCCTCCACCCAGCCTGCCTGCTGCCTCGGAACTGT
 GACACCCCATCTTCGACTTCAGAGTCTTCTTCCAAGAGCTGGTGAATTCCGGGACCGG
 CAGCGCGTGGCTCCCCACGCTATACCATCTACCTGGGCTTCGGGCGAGGACCTGTGAGCT
 GGGAGGCCAAGGAGAAGAGCCTGGTCTGGTGAAGCTGGAACCTGGCTGTGCCGAGTG
 CACCTAGAGGGCACGCAGCGTGAGGGTGTGCTTCCCTGGATAGCAGCAGCCTCAGCCTC
 TGCTGTCCAGCCCAACAGCCTCTATGACGACATCGAGTGTTCCTTATGGAGCTGGAG
 CAGCCCGCTAGAACCAGTCTAATGAGAACTCCAGAAAGCTGGAGCAGCCACCTAGAG
 CTGGCCGCGGCCCGCCAGTCTAATAAAAAAGAACTCCAGAAAAAAAAAAAAAAAAAAAAAA
 AAATCGAC

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_004029 unedited
 GGGTCAAATTTGTATACGACTCATATAGGGCGGCCGGAATTCGCACGAGGCTTCCCCTC
 CGGGCGGCTCTGGCACCCAGGTCGGCCCTGCGCCTTCCCAGGCTGGACTGGTTTC
 AACACCTGTGACTTCATGTGTGCGCGCCGCCACACCTGCAGTCACACCTGTAGCCCCCT
 CTGCCAAGAGATCCATACCGAGGCAGCGTCGGTGGCTACAAGCCCTCAGTCCACACCTGT
 GGACACCTGTGACACCTGGCCACACGACCTGTGGCCGCGGCTGGCGTCTGCTGCGACAG
 GAGCCCTTACCTCCCCTGTTATAACACCTGACCGCCACCTAACTGCCCTGCAGAAGGAG
 CAATGGCCTTGGCTCCTGAGAGGGCAGCCACGCGTGTGTTTCGGAGAGTGGCTCCTTG
 GAGAGATCAGCAGCGGCTGCTATGAGGGGCTGCAGTGGCTGGACGAGGCCCGCACCTGTT
 TCCGCGTGCCTGGAAGCACTTCGCGCGCAAGGACCTGAGCGAGGCCGACGCGCATCT
 TCAAGGCCTGGGCTGTGGCCCGCGCAGGTGGCCGCTAGCAGCAGGGGAGGTGGCCCGC
 CCCGAGGCTGAGACTGCGGAGCGCCCGCTGGAACCAACTTCCGCTGCGCACTGCG
 CAGCACGCGTCGCTTTGTGATGCTGCGAGATAACTCGGGGGACCCGGCCGACCCGCAAA
 AGTGTACGCGCTCACCCGAACTGNGCTGGCGAAAAAGTCCAGGCCCGGACAGACTGA
 GGCAGAGGCCCGCAGCTGTCCACCACACAGGGTGGGCCCGCCAGGGCCATTCTGAC
 ACACCCCATGCTTGGATTCCAAGCCCCAGGCCCTTCTTGGCCAAANTGGGGAAAG
 GGGGACCTCTT

Protein Families: Transcription Factors

Protein Pathways: Cytosolic DNA-sensing pathway, RIG-I-like receptor signaling pathway, Toll-like receptor signaling pathway

Gene Summary: 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]
Transcript Variant: This variant (b) has an alternate exon structure in the 5' coding region and lacks an alternate in-frame exon, compared to variant d. The resulting isoform (b) is shorter and has a distinct N-terminus compared to isoform d.