

Product datasheet for **SC125442**

IRF7 (NM_001572) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IRF7 (NM_001572) 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-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001572, the custom clone sequence may differ by one or more nucleotides

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ATGGCCTTGGCTCCTGAGAGGGCAGCCCCACGCGTGCTGTTCCGGAGAGTGGCTCCTTGGAGAGATCAGCA
GCGGCTGCTATGAGGGGCTGCAGTGGCTGGACGAGGCCCGCACCTGTTTCCGCGTGCCCTGGAAGCACTT
CGCGCGCAAGGACCTGAGCGAGGCCGACGCGCATCTTCAAGGCCTGGGCTGTGGCCCGCGGCAGGTGG
CCGCTAGCAGCAGGGGAGGTGGCCCGCCCCGAGGCTGAGACTGCGGAGCGCGCCGGCTGGAACCA
ACTTCCGCTGCGCACTGCGCAGCACGCGTCGTTCTGATGCTGCGGGATAACTCGGGGGACCCGGCCGA
CCCGCACAAAGGTGTACGCGCTCAGCCGGGAGCTGTGCTGGCGAGAAGGCCAGGCACGGACCAGACTGAG
GCAGAGGCCCGCCAGCTGTCCCACCACCAGGGTGGGCCCCAGGGCCATTCTGGCACACACATG
CTGGACTCCAAGCCCAGGCCCCCTCCCTGCCACAGTGGTGACAAGGGGGACCTCCTGCTCCAGGCAGT
GCAACAGAGCTGCCTGGCAGACCATCTGCTGACAGCGTCATGGGGGGCAGATCCAGTCCCAACCAAGGCT
CCTGGAGAGGGACAAGAAGGGCTTCCCCTGACTGGGGCCTGTGCTGGAGGCCAGGGCTCCCTGCTGGGG
AGCTGTACGGGTGGGAGTAGAGACGACCCCCAGCCCCGGGCCCCAGCCCCGCGGCACTAACGACAGGCGA
GGCCGCGGCCCCAGAGTCCCCGCACCAGGCAGAGCCGTACCTGTCAACCCTCCCAAGCGCCTGCACCCGG
GTGCAAGAGCCCAGCCCAGGGGCGCTGGACGTGACCATCATGTACAAGGGCCGCACGGTGTGCAAGG
TGGTGGGACACCCGAGCTGCACGTTCTATACGGCCCCCAGACCCAGCTGTCCGGGCCACAGACCCCA
GCAGGTAGCATTTCCCAGCCCTGCCGAGCTCCCGACCAAGAAGCAGCTGCGCTACACGGAGGAAGTGTG
CGCACGTTGGCCCTGGGTTGCACCTGGAGCTTCGGGGGCCACAGCTGTGGGCCCGCGCATGGGCAAGT
GCAAGGTGTAAGGGAGGTGGGCGGACCCCGAGCTCCGCCAGCCCTCCACCCAGCCTGCCTGTGCTGCC
TCGGAAGTGTGACACCCCATCTTCGACTTCAGAGTCTTCTTCCAAGAGCTGGTGAATTCCGGGCACGG
CAGCGCCGTGGCTCCCCACGCTATACCATCTACCTGGGCTTCGGGCAGGACCTGTGAGCTGGGAGGCCCA
AGGAGAAGAGCCTGGTCTGGTGAAGCTGGAACCCTGGCTGTGCCGAGTGACCTAGAGGGCACGCAGCG
TGAGGGTGTGCTTCCCTGGATAGCAGCAGCCTCAGCCTCTGCCTGTCCAGCGCCAACAGCCTCTATGAC
GACATCGAGTGTCTTCTATGGAGCTGGAGCAGCCCGCTAG
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_001572 unedited TTTTGAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGCTTCCCCTCCCGGCGGCTCTGGCACCCAGGGTCCGGCCTGCGCCTTCCCGCCAGGCCTGGACTGGTTCAACA CCTGTGACTTCATGTGTGCGCGCCGCCCACACCTGCAGTCACACCTGTAGCCCCCTCTGC CAAGAGATCCATACCGAGGCAGCGTCGGTGGCTACAAGCCCTCAGTCCACACCTGTGGAC ACCTGTGACACCTGGCCACACGACCTGTGGCCCGGGCTGGCGTCTGCTGCGACAGGAGC CCTTACCTCCCCTGTTATAACACCTGACCGCCACCTAACTGCCCTGCAGAAGGAGCAAT GGCCTTGGCTCCTGAGAGGGCAGCCCCACGCGTGTCTGTTTCGGAGAGTGGCTCCTTGGAGA GATCAGCAGCGGCTGCTATGAGGGGCTGCAAGTGGCTGGACGAGGCCCGCACCTGTTTCCG CGTTGCCTGGAAGGCACTTCGCGCGCAAGGACCTGAGCGAGGCCGACGCGCGCATCTTCA AGGCTTGGGCTGTGGCCCGCGCAGGTGGCCGCCTAGCAGCAGGGGAGGTGGCCCGCCCC CCGAGGCTGANACTGCGGAGCGCGCCGGCTGAAAAACCAACTTCCGCTGCGCACTGCGCA NCACGCGTCGCTTCGTGATGCTGCGAGATAACTCGGGGACCCGCGCCACCCGCACAAGG TGTACGCGCTCAGCCCGAACTGTGCTTGCCA
3' Read Nucleotide Sequence:	>OriGene 3' read for NM_001572 unedited ATGGCAACTTCCGGGCCAGGAGGCACTGGGGAGGGGTCACAGGGATGCCACCCGGGAT CTGTTCAGGAAACAGCTATGACC CGCGCCGAATCTAGAGTCGAGTTTTTTTTTTTTTTTT TTTGTCTGGAGTTCTTTTTATTAGACTGGGCGCCGCGCCAGCTCTAGGTGGGCTGCT CCAGCTTTCTGGAGTTCTCATTAGACTGGGTTCTAGGCGGGTCTCCAGCTCCATAAGG AAGCACTCGATGTCGTCATAGAGGCTGTTGGCGCTGGACAGGCAGAGGCTGAGGCTGCTG CTATCCAGGGAAGACACACCCTCAGCTGCGTGCCTCTAGGTGCACTCGGCACAGCCAG GGTTCAGCTTACCAGGACCAGGCTCTTCTCCTTGGGCCTCCAGCTGACAGGTCCTGC CCGAAGCCAGGTAGATGGTATAGCGTGGGAGCCACGGCGCTGCCGTGCCCGAAATTC ACCCGCTTCTGGGAAGAAAACCTGAAAGTCAAAGATGGGGGTGTCACAGTTCCGAGGCAN CAGGCANGCTGGGGTGGAGGGGCTGGCGGANCCTGNGGGTCCGCCACCTCCCAGTACAC CTTGCACTTGCCCATGCGCCGNNCCACAGCTGTGGCCCCGAAGCTCAGGTGCAACCCA GGGCCCCGTGCCGACAGTTCTTCTGTACGCACTGCTCTGGTGGACTCGCAGGCTGGGAA GTACTGTGGGGTT
Restriction Sites:	Please inquire
ACCN:	NM_001572
Insert Size:	2000 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:	<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_001572.2</u> , <u>NP_001563.2</u>

RefSeq Size:	1890 bp
RefSeq ORF:	1512 bp
Locus ID:	3665
UniProt ID:	Q92985
Cytogenetics:	11p15.5
Domains:	IRF
Protein Families:	Transcription Factors
Protein Pathways:	Cytosolic DNA-sensing pathway, RIG-I-like receptor signaling pathway, Toll-like receptor signaling pathway
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 (a) has an alternate exon structure in the 5' coding region, resulting in the use of an alternate start codon compared to variant d. The resulting isoform (a) is shorter and has a distinct N-terminus compared to isoform d.</p>