

Product datasheet for **SC321848**

Interferon regulatory factor 9 (IRF9) (NM_006084) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Interferon regulatory factor 9 (IRF9) (NM_006084) Human Untagged Clone
Tag:	Tag Free
Symbol:	Interferon regulatory factor 9
Synonyms:	IRF-9; ISGF3; ISGF3G; p48
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_006084.4
 AGGATGGCATCAGGCAGGGCAGCTGCACCCGAAAACCTCCGGAAGTGGTGGTGGAGCAA
 GTGGAGAGTGGGCAGTTTCCCGAGTGTGCTGGGATGATACAGCTAAGACCATGTTCCGG
 ATTCCTGGAAACATGCAGGCAAGCAGGACTTCCGGGAGGACCAGGATGCTGCCTTCTTC
 AAGGCCTGGGCAATATTTAAGGGAAAGTATAAGGAGGGGGACACAGGAGGTCCAGCTGTC
 TGGAAAGACTCGCCTGCGCTGTGCACTCAACAAGAGTTCTGAATTTAAGGAGGTTCCCTGAG
 AGGGCCCGCATGGATGTTGCTGAGCCCTACAAGGTGTATCAGTTGCTGCCACCAGGAATC
 GTCTCTGGCCAGCCAGGGACTCAGAAAAGTACCATCAAAGCGACAGCACAGTTCTGTGTCC
 TCTGAGAGGAAGGAGGAAGAGGATGCCATGCAGAACTGCACACTCAGTCCCTCTGTGCTC
 CAGGACTCCCTCAATAATGAGGAGGAGGGGGCCAGTGGGGGAGCAGTCCATTTCAGACATT
 GGGAGCAGCAGCAGCAGCAGCAGCCCTGAGCCACAGGAAGTTACAGACACAACCTGAGGCC
 CCCTTTCAAGGGGATCAGAGTCCCTGGAGTTTCTGCTTCTCCAGAGCCAGACTACTCA
 CTGCTGCTCACCTTCATCTACAACGGGCGCGTGGTGGGCGAGGCCAGGTGCAAAGCCTG
 GATTGCCGCTTGTGGCTGAGCCCTCAGGCTCTGAGAGCAGCATGGAGCAGGTGCTGTTCC
 CCAAGCCTGGCCACTGGAGCCACGCAGCGCCTGCTGAGCCAGCTTGAGAGGGGCATC
 CTAGTGGCCAGCAACCCCGAGGCTCTTCGTGCAGCGCCTTTGCCCCATCCCCATCTCC
 TGGAAATGCACCCAGGCTCCACCTGGGCCAGGCCCGCATCTGCTGCCAGCAACGAGTGC
 GTGGAGCTCTTCAGAACCGCCTACTTCTGCAGAGACTTGGTCAGGTACTTTTCAGGGCCTG
 GGCCCCCACCAGGTTCCAGGTAACACTGAATTTCTGGGAAGAGAGCCATGGCTCCAGC
 CATACTCCACAGAATCTTATCACAGTGAAGATGGAGCAGGCCCTTGCCCGATACTTGCTG
 GAGCAGACTCCAGAGCAGCAGGCCAGCCATTCTGTCCCTGGTGTAGAGCCTGGGGGACCCA
 TCTTCCACCTCACCTCTTTGTTCTTCTGCTCCTTTGAAGTAGACTCATTCTTCACACG
 ATTGACCTGTCCCTTTTGTGATAATTCTCAGTAGTTGTCCGTGATAATCGTGTCCCTGAAA
 ATCCTCGCACACACTGGCTGGTGGAGAAGTCAAGGCTAATTTTTATCCTTTTTTTTTTTT
 TAATTTTGAATATACGCCCTTTTCATCTGTAAGGGACTAGGAAATTCAAATGGTGTG
 AACCCAGGGGGCCTTTCCCTCTTCCCTGACCTCCCAACTCAAAGCCAAGCACTTTATAT
 TTTCTCTTAGATATTCATAAGGACTTAAAATAAAATTTTATTGAAAGGGGGAAAAAAA
 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

- Restriction Sites:** Please inquire
- ACCN:** NM_006084
- 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:	NM_006084.4 , NP_006075.3
RefSeq Size:	1699 bp
RefSeq ORF:	1182 bp
Locus ID:	10379
UniProt ID:	Q00978
Cytogenetics:	14q12
Domains:	IRF
Protein Families:	Druggable Genome, Transcription Factors
Protein Pathways:	Jak-STAT signaling pathway
Gene Summary:	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. Mutations in this gene result in Immunodeficiency 65. [provided by RefSeq, Jul 2020]