

Product datasheet for **MC206228**

Isgf3g (BC012968) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Isgf3g (BC012968) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Isgf3g
Synonyms:	p48, Irf-9
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC012968
 CCACGCGTCCGCTTATGAGCAAATGTTGCCTCTGTAGATGCTTGGGAGCTAAAACCTGCCACAAGGAAC
 AAGTCATTAAGGGAATTCCTAAATAATACATGTCTGAAACACTTCACTTATCAAGACCAAATGTCTG
 AGGTTTCCCTTTCAGGATGGCCTCAGGCAAAGTACGCTGCACCCGAAAGCTGCGGAGCTGGATCGTGGAGC
 AGGTGGAGAGTGGCCATTTCCAGGGGTGTGCTGGGACGATGCAGCCAAGACCATGTTCCGGATCCCTG
 GAAGCATGCAGGCAAGCAAGACTTCCGAGAGGACCAGGATGCTGCCATATCAAGGCTTGGGCACTGTTT
 AAGGAAAAGCACAAGATGGGGACATAGGACACCCCGCTGTCTGGAAGACTCGCCTACGCTGTGCCCTCA
 ACAAGAGTTCGGAATTTGAGGAGGTTCCGAGAGAGGTCGTATGGATGTTGCTGAACCCTACAAAGTATA
 TCGAATACTGCCAGCAGGAACCCCTCCCTAACCAACCACGGAACAGAAATCACCATGCAAGCGAAGTATC
 AGTTGTGTGTACCTGAGAGGGAAGAAAATATGGAAAATGGGAGGACCAATGGCGTTGTAACCCTCAG
 ACAGTGGCAGCAACATAGGCGGTGGTGGCAATGGCAGCAACAGGAGCGACAGCAACAGCAACTGCAACTC
 TGAGCTAGAGGAGGGAGCTGGCACAACCTGAGGCCACCATTAGAGAGGACCCAGTGTCTCTGGAGCATCAA
 CTTCTCTGAACTCAGACTACTCGTGTGCTCACCTTCTATGGTGGCCGAGTGGTGGGTAAGACCC
 AGGTGCACAGCCTAGACTGTCGGCTCGTGGCTGAGCGCTCAGACTCGGAGAGCAGCATGGAGCAGGTGGA
 GTTTCCCAAACCCGACCCACTGGAGCCTACCCAGCACCTGCTGAATCAGCTTGACAGAGGCGTCTGGTG
 GCCAGCAATTCAGAGGCCTCTTTGTTACGCGCCTTTGCCCATCCCCATCTCTGGAATGCACCAGAGG
 CCCCACCCGGGCCTGGTCTCATCTGCTGCCAGCAATAAGTGTGTGGAGCTCTCAAGACCACCTACTT
 CTGTAGAGATTTGGCCAGTACTTCCAGGGCCAGGGGCCCCACCAAGTTCCAAGCAACCTACATTTT
 TGGGAGGAGAGTCTGGCTTAGCCATAGCCAAGAGAATCTCATCAGTGCAGATGGAGCAGGCCCTTTG
 CCCGACATTTACTGGAGAAGATTCAGAAGAGGAGAAAGCTGCCTTGTCTCTGTTACAGCACACAGAGCA
 GTCACCCTCTGCTCTGGGACACTGATCGTCGCTCTCCATGGAAATAGACTTGTCTCCACTCTTGGT
 CGGCTGCTTCTGTGATGGTCTTATCACCGTGTGTTATCCAGCATGGCCAAGAGAAAGTGAAGGGTGA
 TGTCTCTCTTACAAATTGAGTTTGGGAGGACACTTGTGAGGATACTGTAATCTCAGCACTTGAAG
 ACAGACCAAATGGTTATGAGCTCAAAGCAACCTGGAAGAGACTTTTATCTCCTTTTTTTTTAAAGCTATA
 TTCTCTCTCAGCTCCAAGGAACTGGAAAGTTCCAAGGGTGTGATCTCAGAGGGAATTGTATGCTCTCC
 CAGTCCCAAACCTAAATCTAAGCACTTATATATTTTATCTCCAGTCTCACTAGACTGAAATAAAAT
 TTAGCTGGGTGAGGTATTACATAGTTGGCACATGTGAGACAAGAGGCAAGAAGACTGTGAGTTCAAATTC
 AAGGCCAGTCTTGGTGCACACTGTCTCAAAAAAATAAATAAAAAGCTTCTAAGAGCGGCTGGAGAGAT
 GGCTCGGTGATTAAGAGCACTGACTGCCCTTCTGAAGATCCTGAGTTCAAATCCAGCAACCACATGGTT
 GCTCACACCTGTCTTCCAGACCCCTCTTCTGGTGTGCTGAAGACAGCTACAGTACTTACATATAATA
 ATAATAACTCTTTGGCCAGAGATCAGCTCCATCCGCTCACATGTTGACTACTTGGTCTCAGTGGAA
 CCACTTGGGATGACTAGAGGTGTGGGTTGTTGGTTGAGTTGTGCACTGGCCATGGGCTTTAAGGTTTC
 CAAAGACCCTTGCCATTCTAGCTAGCACACTCTCTGTGTCTCATGCTTATAAGTCAGATGTAAACTC
 TCAACCTCAGCTCCATGCTTGCCTGCTCTGCTTGTCTGTGTGATGGTCAATGGACCTAAACCT
 TTAGAAATGTGAGCTCCAATTAATTTTGCCTTTTCTAAGTTAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: BC012968

Insert Size: 1200 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: [BC012968](#), [AAH12968](#)

RefSeq Size: 2368 bp

RefSeq ORF: 1200 bp

Locus ID: 16391

Cytogenetics: 14 28.19 cM

Gene Summary: Transcription factor that mediates signaling by type I IFNs (IFN-alpha and IFN-beta). Following type I IFN binding to cell surface receptors, Jak kinases (TYK2 and JAK1) are activated, leading to tyrosine phosphorylation of STAT1 and STAT2. IRF9/ISGF3G associates with the phosphorylated STAT1:STAT2 dimer to form a complex termed ISGF3 transcription factor, that enters the nucleus. ISGF3 binds to the IFN stimulated response element (ISRE) to activate the transcription of interferon stimulated genes, which drive the cell in an antiviral state. [UniProtKB/Swiss-Prot Function]