

# Recombinant Human IRF9 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. IRF9-3631H Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	IRF9 MS Standard C13 and N15-labeled recombinant protein (NP_006075) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	<p>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.</p> <p>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.</p>
<b>Molecular Mass</b>	43.7 kDa
<b>AA Sequence</b>	<p>MASGRARCTRKLNRNWVVEQVESGQFPGVCWDDTAKTMFRIPWKHAGKQDFREDQ  DAAFFKAWAIFKGYKEGDTGGPAVWKTRLRCALNKSSEFKEVPERGRMDVAEPY  KVYQLLPPGIVSGQPGTQKVPSKRQHSSVSSERKEEEDAMQNCTLSPSVLQDSLNN  EEEGASGGAVHSDIGSSSSSSSPEPQEVTDTEAPFQGDQRSLEFLLPPEPDYSLLL  TFIYNGRVVGEAQVQSLDCRLVAEPSGSESSMEQVLFPPKPGPLEPTQRLLSQLERGI  LVASNPRGLFVQRLCPIPISWNAPQAPPGPGPHLLPSNECVLFRRTAYFCRDLVRYF</p>

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QQLGPPPKFQVTLNFWEEESHGSSHTPQNLITVKMEQAFARYLLEQTPEQQAAILSLV  
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Purity** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Stability** Stable for 3 months from receipt of products under proper storage and handling conditions.

**Storage** Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

**Concentration** 50 µg/mL as determined by BCA

**Storage Buffer** 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

**Gene Name** IRF9 interferon regulatory factor 9 [ Homo sapiens (human) ]

**Official Symbol** IRF9

**Synonyms** IRF9; interferon regulatory factor 9; interferon stimulated transcription factor 3, gamma (48kD), interferon stimulated transcription factor 3, gamma 48kDa, ISGF3G; ISGF-3 gamma; ISGF3 p48 subunit; interferon-stimulated gene factor 3 gamma; transcriptional regulator ISGF3 subunit gamma; IFN-alpha-responsive transcription factor subunit; interferon-stimulated transcription factor 3, gamma 48kDa; interferon-stimulated transcription factor 3, gamma (48kD); p48; IRF-9; ISGF3; ISGF3G;

**Gene ID** 10379

**mRNA Refseq** NM\_006084

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**Protein Refseq** NP\_006075

**MIM** 147574

**UniProt ID** Q00978

**SDS-PAGE**



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