

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

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

SPECIFICATION

Product Overview	IRF9 MS Standard C13 and N15-labeled recombinant protein (NP_006075) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	43.7 kDa
AA Sequence	MASGRARCTRKLNRNWVVEQVESGQFPGVCWDDTAKTMFRIPWKHAGKQDFREDQ DAAFFKAWAIFKGKYKEGDTGGPAVWKTRLRCALNKSSEFKEVPERGRMDVAEPY KVYQLLPPIVSGQPGTQKVPSKRQHSSVSSERKEEEDAMQNCTLSPSVLQDSLNN EEEGASGGAVHSDIGSSSSSSSPEPQEVTDTEAPFQGDQRSLEFLLPPEPDYSLLL TFIYNGRVVGEAQVQSLDCRLVAEPGSGESSMEQVLFPKPGPLEPTQRLLSQLERGI LVASNPRGLFVQRLCPIPISWNAPQAPPGPGPHLLPSNECVLFRTAYFCRDLVRYF

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QGLGPPPKFQVTLNFWEEESHGSSHTPQNLITVKMEQAFARYLLEQTPEQQAAILSLV
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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