Recombinant Mouse Irf9 Protein, Myc/DDK-tagged

Cat. No. Irf9-3586M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length interferon dependent positive acting transcription factor 3 gamma (cDNA clone MGC:5974 IMAGE:3601255), complete, with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
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	85.8 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.

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Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name	Irf9 interferon regulatory factor 9 [Mus musculus (house mouse)]
Official Symbol	Irf9
Synonyms	Irf9; interferon regulatory factor 9; p4; Irf; p48; Isgf; Irf-9; Isgf3g; interferon regulatory factor 9; IFN-alpha-responsive transcription factor subunit; ISGF-3 gamma; ISGF3 p48 subunit; interferon dependent positive acting transcription factor 3 gamma; interferon-stimulated gene factor 3 gamma; transcriptional regulator ISGF3 subunit gamma
Gene ID	16391
mRNA Refseq	NM_008394
Protein Refseq	NP_032420
UniProt ID	Q61179

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