

## Recombinant Mouse Irf4 Protein, Myc/DDK-tagged

Cat. No. Irf4-3575M Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Purified recombinant protein of mouse full-length interferon regulatory factor 4 (Irf4), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>Description</b>	Transcriptional activator. Binds to the interferon-stimulated response element (ISRE) of the MHC class I promoter. Binds the immunoglobulin lambda light chain enhancer, together with PU.1. Probably plays a role in ISRE-targeted signal transduction mechanisms specific to lymphoid cells. Involved in CD8+ dendritic cell differentiation by forming a complex with the BATF-JUNB heterodimer in immune cells, leading to recognition of AICE sequence (5'-TGA <sup>n</sup> TCA/GAAA-3'), an immune-specific regulatory element, followed by cooperative binding of BATF and IRF4 and activation of genes.
<b>Molecular Mass</b>	52 kDa
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Stability</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>Storage</b>	Store at -80 centigrade after receiving vials.
<b>Concentration</b>	>50 µg/mL as determined by microplate BCA method

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**Storage Buffer** 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

## GENE INFORMATION

**Gene Name** [Irf4 interferon regulatory factor 4 \[ Mus musculus \(house mouse\) \]](#)

**Official Symbol** [Irf4](#)

**Synonyms** IRF4; interferon regulatory factor 4; NF-EM5; PU.1 interaction partner; transcriptional activator PIP; Sfp1/PU.1 interaction partner; lymphocyte-specific interferon regulatory factor; Spip; IRF-4; LSIRF; AI385587

**Gene ID** [16364](#)

**mRNA Refseq** [NM\\_013674](#)

**Protein Refseq** [NP\\_038702](#)

**UniProt ID** [Q64287](#)

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