Recombinant Mouse Irf4 Protein, Myc/DDK-tagged

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

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length interferon regulatory factor 4 (Irf4), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	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'-TGAnTCA/GAAA-3'), an immune-specific regulatory element, followed by cooperative binding of BATF and IRF4 and activation of genes.
Molecular Mass	52 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.
Concentration	>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; Sfpi1/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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