

Recombinant Mouse Irf5 Protein, Myc/DDK-tagged

Cat. No. Irf5-3576M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length interferon regulatory factor 5 (Irf5), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Transcription factor that plays a critical role in innate immunity by activating expression of type I interferon (IFN) IFNA and IFNB and inflammatory cytokines downstream of endolysosomal toll-like receptors TLR7, TLR8 and TLR9. Regulates the transcription of type I IFN genes (IFN-alpha and IFN-beta) and IFN-stimulated genes (ISG) by binding to an interferon-stimulated response element (ISRE) in their promoters. Can efficiently activate both the IFN-beta (IFNB) and the IFN-alpha (IFNA) genes and mediate their induction downstream of the TLR-activated, MyD88-dependent pathway.
Molecular Mass	56.5 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
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Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
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GENE INFORMATION

Gene Name	<i>Irf5</i> interferon regulatory factor 5 [<i>Mus musculus</i> (house mouse)]
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Official Symbol	<i>Irf5</i>
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Synonyms	IRF5; interferon regulatory factor 5; IRF-5; interferon regulatory factor 5 bone marrow; mirf5; AW491843
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Gene ID	27056
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mRNA Refseq	NM_012057
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Protein Refseq	NP_036187
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UniProt ID	P56477
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