

## Recombinant Mouse Irf5 Protein, Myc/DDK-tagged

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

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Purified recombinant protein of mouse full-length interferon regulatory factor 5 (Irf5), with C-terminal MYC/DDK tag, expressed in HEK293T cells.                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Description</b>      | 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. |
| <b>Molecular Mass</b>   | 56.5 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.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

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|----------------------|--------------------------------------------------|
| <b>Concentration</b> | >50 µg/mL as determined by microplate BCA method |
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|-----------------------|-------------------------------------------------------|
| <b>Storage Buffer</b> | 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol. |
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## GENE INFORMATION

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|------------------|----------------------------------------------------------------------------------|
| <b>Gene Name</b> | <i>Irf5</i> interferon regulatory factor 5 [ <i>Mus musculus</i> (house mouse) ] |
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|------------------------|-------------|
| <b>Official Symbol</b> | <i>Irf5</i> |
|------------------------|-------------|

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| <b>Synonyms</b> | IRF5; interferon regulatory factor 5; IRF-5; interferon regulatory factor 5 bone marrow; mirf5; AW491843 |
|-----------------|----------------------------------------------------------------------------------------------------------|

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| <b>Gene ID</b> | 27056 |
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| <b>mRNA Refseq</b> | NM_012057 |
|--------------------|-----------|

|                       |           |
|-----------------------|-----------|
| <b>Protein Refseq</b> | NP_036187 |
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|                   |        |
|-------------------|--------|
| <b>UniProt ID</b> | P56477 |
|-------------------|--------|

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