

# Recombinant Mouse Interferon Alpha 11

**Cat. No.** Ifna11-51M    **Lot. No.** (See product label)

## SPECIFICATION

### Product Overview

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Species</b>             | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Source</b>              | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Description</b>         | Most mammalian species have multiple IFN- $\alpha$ subtypes. Although the reasons for these multiple subtypes are not fully known, there are clear cell type and temporal differences in their expression. A recent study established a nomenclature for the murine IFN- $\alpha$ subtypes and determined relative activities of the subtypes with protein quantification by phosphorimaging of metabolically-labeled protein. |
| <b>Contents</b>            | 1 x 10 <sup>5</sup> units/vial.                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Concentration</b>       | $\geq 1 \times 10^6$ units/ml.                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Buffer</b>              | Phosphate buffered saline (PBS) containing 0.1% bovine serum albumin (BSA).                                                                                                                                                                                                                                                                                                                                                    |
| <b>Purity</b>              | $\geq 95\%$ .                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Purification Method</b> | A combination of ion exchange, hydrophobic interaction and size exclusion chromatography.                                                                                                                                                                                                                                                                                                                                      |
| <b>Shipping Conditions</b> | Dry ice, Physical State of Product During Shipping is Frozen.                                                                                                                                                                                                                                                                                                                                                                  |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

**Special Conditions**

After receipt, this product should be kept at -70°C or below for retention of full activity. When thawing, the contents of the tube should be apportioned in separate tubes so that freezing and thawing is kept to a minimum. Dilute only in buffers containing protein such as 0.1% bovine serum albumin (BSA).

## GENE INFORMATION

**Gene Name** [Ifna11](#) [interferon alpha 11](#) [ [Mus musculus](#) ]

**Synonyms** Ifna11; interferon alpha 11; IFN-[a]11; OTTMUSP00000012094; interferon alpha family, gene 11; interferon, alpha 11

**Gene ID** [15964](#)

**mRNA Refseq** [NM\\_008333](#)

**Protein Refseq** [NP\\_032359](#)

**UniProt ID** Q61716

**Chromosome Location** 4 C4; 4 42.6 cM

**Pathway** Antigen processing and presentation; Autoimmune thyroid disease; Cytokine-cytokine receptor interaction; Jak-STAT signaling pathway; Natural killer cell mediated cytotoxicity; RIG-I-like receptor signaling pathway; Regulation of autophagy; Toll-like receptor signaling pathway

**Function** cytokine activity; cytokine receptor binding

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