

Recombinant Mouse Interferon Alpha 1

Cat. No. Ifna1-141M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human Ifna1 was expressed in E. coli.
Species	Mouse
Source	E.coli
Description	Ifna1 is a protein that in humans is encoded by the IFNA1 gene. Leukocyte interferon is produced predominantly by B lymphocytes. Immune interferon (IFN-gamma; MIM147570) is produced by mitogen- or antigen-stimulated T lymphocytes.
Form	Liquid in PBS + 0.1% BSA.
Molecular Weight	19.323 kDa
Concentration	1 x 10 ⁶ units/ml
Purity	95%
Biological Activity	Ifna1 was titrated with the use of the cytopathic effect inhibition assay. In this antiviral assay for interferon, about 1 unit/ml of interferon is the quantity necessary to produce a cytopathic effect of 50%. The units are determined with respect to the Ifna1 reference standard for mouse interferon alpha (mouse IFN-) provided by the National Institutes of Health. Unit of activity measured on mouse L929 cells with encephalomyocarditis virus (EMCV).

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Storage Store at -80°C. Dilute only in buffers containing protein such as 0.1% BSA. Please note that the addition of any carrier protein into this product may produce unwanted endotoxin. This depends upon the particular application employed. Avoid repeated freeze-thaw cycles.

Official Symbol Ifna1

GENE INFORMATION

Gene Name Ifna1 interferon alpha 1 [Mus musculus]

Synonyms Ifna1; interferon alpha 1; Ifa1; interferon alpha-1; IFN-alpha-1; OTTMUSP00000008138; interferon alpha family gene 1

Gene ID 15962

mRNA Refseq NM_010502

Protein Refseq NP_034632

Chromosome Location 4 C4; 442.6 cM

Pathway Autoimmune thyroid disease; Cytokine-cytokine receptor interaction; Cytokines and Inflammatory Response (BioCarta); Cytosolic DNA-sensing pathway; Hepatitis C; Herpes simplex infection; IL-2 Signaling Pathway; Influenza A; Jak-STAT signaling pathway; Measles; Natural killer cell mediated cytotoxicity; RIG-I-like receptor signaling pathway; Regulation of autophagy; Toll-like receptor signaling pathway; Tuberculosis

Function cytokine activity; cytokine receptor binding

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