

Recombinant Mouse Interferon Beta 1, Fibroblast

Cat. No. Ifnb1-684M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Ifnb1 was expressed in E.coli.
Species	Mouse
Source	E.coli
Description	Ifnb1 is a protein that in humans is encoded by the Ifnb1 gene.
Form	Liquid in PBS, carrier free.
Molecular Weight	19.6 kDa
Concentration	1 x 10 ⁶ units/ml
Purity	> 95%
Endotoxin Level	< 0.1 EU/μg Ifnb1.
Purification	Combination of ion exchange, hydrophobic interaction, and size exclusion chromatography.
Specific Activity	Ifnb1 was titrated with the use of the cytopathic effect inhibition assay. Units of activity were measured on mouse L929 cells with encephalomyocarditis virus (EMCV); in this assay, the EC ₅₀ for Ifnb1 is ~ 2.5 U/ml. The activity was determined relative to a lab standard of mouse Ifnb1 which was calibrated to the NIH Mouse Ifnb1 standard.

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

Storage Store in working aliquots at -80°C. Further dilutions should be made in buffers containing proteins 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 Ifnb1

GENE INFORMATION

Gene Name Ifnb1 interferon beta 1, fibroblast [*Mus musculus*]

Synonyms Ifnb1; interferon beta 1, fibroblast; Ifb; IFNB; IFN-beta; interferon beta; OTTMUSP00000008111

Gene ID 15977

mRNA Refseq NM_010510

Protein Refseq NP_034640

Chromosome Location 4 C4; 442.6 cM

Pathway Chagas disease (American trypanosomiasis); Cytokine-cytokine receptor interaction; Cytokines and Inflammatory Response (BioCarta); Cytosolic DNA-sensing pathway; Hepatitis C; Herpes simplex infection; Influenza A; Jak-STAT signaling pathway; Measles; Natural killer cell mediated cytotoxicity; Osteoclast; Osteoclast differentiation; RIG-I-like receptor signaling pathway; Senescence and Autophagy; Toll-like receptor signaling pathway; Tuberculosis; Type II interferon signaling (IFNG)

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

Function	cytokine activity;cytokine receptor binding; transcription corepressor activity
-----------------	---

PDB rendering based on 1au1.

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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