

Recombinant Rat Interferon-Alpha 1

Cat. No. Ifna1-137R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Ifna1 was expressed in baculovirus.
Species	Rat
Source	Insect Cells
Description	Ifna1-137R is a protein that in humans is encoded by the IFNA1 gene. Leukocyte interferon is produced predominantly by B lymphocytes. Immune interferon (IFN-gamma; MIM 147570) is produced by mitogen- or antigen-stimulated T lymphocytes.
Molecular Weight	19,000
Concentration	1 x 10 ⁵ units/ml after reconstitution with 1 ml sterile distilled water.
Purity	≥ 95%
Specific Activity	2.0 x 10 ⁸ units/mg
Storage	After receipt, this product should be kept at 4°C while lyophilized and at -70°C after reconstitution 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).

 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

OfficialSymbol Ifna1

GENE INFORMATION

Gene Name Ifna1 interferon-alpha 1 [Rattusnorvegicus]

Synonyms Ifna1; interferon-alpha1; IFN-alpha1;interferon alpha-1

Gene ID 298210

mRNA Refseq [NM_001014786](#)

Protein Refseq [NP_001014786](#)

Chromosome Location 5q32

Pathway Autoimmune thyroiddisease; Cytokine-cytokine receptor interaction; Cytosolic DNA-sensingpathway; Hepatitis C; Herpes simplex infection; IL-2 Signaling Pathway; InfluenzaA; Jak-STAT signaling pathway; Measles; Natural killer cell mediatedcytotoxicity; 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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