

Recombinant Pig Interferon Alpha-1

Cat. No. IFNA1-136P **Lot. No.** (See product label)

SPECIFICATION

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|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Overview | Recombinant Pig IFNA1 was expressed in mammalian cells. |
| Species | Pig |
| Source | Mammalian Cells |
| Description | IFNA1 is a protein that in humans is encoded by the IFNA1 gene. Leukocyte interferon is produced predominantly by B lymphocytes. Immune interferon is produced by mitogen- or antigen-stimulated T lymphocytes. |
| Form | Frozen liquid in PBS + 0.1% BSA. |
| Purity | > 97% |
| Molecular Weight | 19.1 kDa |
| Concentration | 2.35 x 10 ⁶ units/ml |
| Endotoxin Level | <0.1 ng/μg of protein. |
| Specific Activity | 7.83 x 10 ⁸ units/mg. |
| Storage | After receipt, this product should be kept at -80°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. Refreezing should be done on dry ice |

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or in a dry ice/alcohol bath. Further dilution of the product should be in buffers containing protein such as 0.1% bovine serum albumin (BSA) or Tissue Culture Media with serum. Dilution for freezing of material below 2 x 10⁵ units/ml is not recommended. One freeze-thaw cycle is equivalent to thawing an aliquot prepared from the material received.

Official Symbol IFNA1

GENE INFORMATION

Gene Name IFNA1interferon alpha-1 [*Sus scrofa*]

Synonyms IFNA1; interferonalpha-1; IFN1@; IFN-ALPHA-1; interferon alpha-1; IFN-alpha-6; interferonalpha 1; interferon-alpha-6

Gene ID 397686

mRNA Refseq NM_214393

Protein Refseq NP_999558

Chromosome Location 1q22-q27

Pathway Autoimmune thyroid disease; Cytokine-cytokine receptor interaction; Cytosolic DNA-sensing pathway; Hepatitis C; Herpes simplex infection; 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

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