Bioactive

IFNA1 (Human) Recombinant Protein

Catalog # P8769 Size 100 ug

Specification

Product Description	Human IFNA1 recombinant protein expressed in?*Escherichia coli*.
Host	Escherichia coli
Theoretical MW (kDa)	19.3
Form	Lyophilized
Preparation Method	*Escherichia coli* expression system
Purification	chromatographic
Purity	> 96% as determined by (a) RP-HPLC.(b) SDS-PAGE.
Activity	The specific activity as determined in a viral resistance assay using bovine kidney MDBK cells is 1 x 10^8 IU/ mg.
Storage Buffer	Protein(50 ug/mL) was lyophilized from a solution containing 1X PBS, pH 7.4, 4% mannitol, 1% HSA . Reconstitute the lyophilized powder in ddH_2O to 100 ug/mL.
Storage Instruction	Lyophilized protein at room temperature for 3 weeks, should be stored at -20°C. Protein aliquots at 4 °C for 2-7 days and should be stored at -20°C to -80°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid repeated freeze/thaw cycles.

Applications

- Functional Study

Gene Info — IFNA1

Entrez GeneID	3439

Protein Accession#	P01562
Gene Name	IFNA1
Gene Alias	IFL, IFN, IFN-ALPHA, IFNA13, IFNA@, MGC138207, MGC138505, MGC138507
Gene Description	interferon, alpha 1
Omim ID	147660
Gene Ontology	Hyperlink
Gene Summary	Leukocyte interferon is produced predominantly by B lymphocytes. Immune interferon (IFN-gamma; MIM 147570) is produced by mitogen- or antigen-stimulated T lymphocytes.[supplied by OMIM
Other Designations	IFN-alpha 1b|OTTHUMP00000045110|interferon alpha 1b

Pathway

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

Disease

- Acute Disease
- Arthritis
- Asthma
- Behcet Syndrome
- Bronchiolitis
- Cardiovascular Diseases

- Communicable Diseases
- Diabetes Mellitus
- Edema
- Genetic Predisposition to Disease
- Graft vs Host Disease
- Hepatitis C
- Infant
- Irritable Bowel Syndrome
- Liver Cirrhosis
- Lupus Erythematosus
- Lymphoma
- Malaria
- Respiratory Syncytial Virus Infections
- Severe Acute Respiratory Syndrome