

Bioactive

IFNA1 (Human) Recombinant Protein

Catalog # P8768

Size 100 ug

Specification

Product Description	Human IFNA1 recombinant protein expressed in <i>Escherichia coli</i> .
Sequence	MCDLPETHSLDNRRTLMLLAQMSRISPSSCLMDRHDFGFPQEEFDGNQFQKAPASVLHELIQQIF NLFTTKDSSAAWDEDLLDKFCTELYQQNLNDLEACVMQEERVGETPLMNADSIKAVKKYFRRITLYL TEKKYSPCAWEVVRAEIMRSLSLSTNLQERLRRKE
Host	Escherichia coli
Theoretical MW (kDa)	19.5
Form	Lyophilized
Preparation Method	<i>Escherichia coli</i> expression system
Purification	chromatographic
Purity	> 97% as determined by (a) RP-HPLC.(b) SDS-PAGE.
Activity	The specific activity as determined in a viral resistance assay viral resistance assay is 1×10^8 IU/ mg.
Storage Buffer	Lyophilized from a solution containing 1X PBS, pH 7.4, 3% Mannitol, 5% Trehalose, 0.05% Tween-80. Reconstitute the lyophilized powder in ddH ₂ O 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](#)