

HumanKine[®] IFN alpha 2A (Recombinant Human)



Animal Component-Free

Human cell expressed

Tag-Free

Endotoxin Free

Product Description

Animal-free Recombinant Human IFN alpha 2A is expressed in human 293 cells as a monomeric glycoprotein with an apparent molecular mass of 16 kDa. It is a type 1 interferon and is also known as leukocyte interferon. This cytokine is produced in a serum-free, chemically defined media. Production in human 293 cells offers authentic glycosylation which contributes to stability in cell growth media and other applications. The purity is greater than 95%.

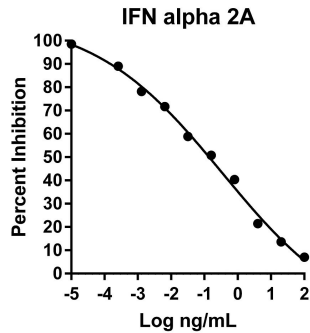
Alternative Names IFN alpha 2, IFN alpha 2A, IFNA, IFNA2, INFA2, Interferon alpha 2, Interferon alpha A, interferon, alpha 2, LeIF A

Source Human Embryonic Kidney cells (HEK293). HEK293-derived IFN alpha 2A protein

Specifications

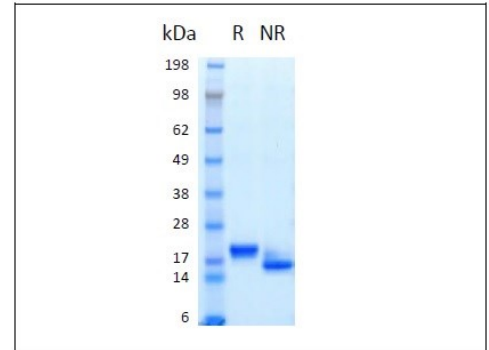
Test	Method	Specification
Activity	Dose-dependent cytotoxicity of the human TF-1 cell line (human erythroleukemic indicator cell line)	Typically ≤ 0.4 ng/mL EC50
Molecular Mass	SDS-PAGE	16 kDa, monomer, glycosylated
Purity	SDS-PAGE	>95%
Endotoxin	LAL	<1 EU/ μ g

Activity Data



The activity was determined by the dose-dependent cytotoxicity of the human TF-1 cell line (human erythroleukemic indicator cell line) using the Promega CellTiter96[®] Aqueous Non-Radioactive Cell Proliferation Assay.

SDS-PAGE



Preparation	
Shipping Temperature	ambient temperature
Formulation	1x PBS, See Certificate of Analysis for details
Reconstitution	Briefly centrifuge the vial before opening. It is recommended to reconstitute the protein in sterile 1xPBS containing 0.1% endotoxin-free recombinant human serum albumin (HSA).

Stability and Storage	Product Form	Temperature Conditions	Storage Time (From Date of Receipt)
	Lyophilized	-20°C to -80°C	Until Expiry Date
	Lyophilized	Room Temperature	2 weeks
	Reconstituted as per CofA	-20°C to -80°C	6 months
	Reconstituted as per CofA	4°C	1 week
Avoid repeated freeze-thaw cycles.			

www.ptglab.com

Document #: FR-QA118-101 Rev 0
Data Sheet Version #: 1

Proteintech Group, Inc.
5500 Pearl Street, Suite 400 Rosemont, IL 60612
t: 1-888-478-4522; f: 1-312-455-8408
Email: proteintech@ptglab.com