



Interferon-alpha 2a, HEK, human recombinant (rHuIFN-alpha2a-HEK)

Catalog No: 97480
Lot No: XXXXX
Source: HEK293
Synonyms: Leukocyte interferon, B cell interferon, Type I interferon, IFNA2, IFN-a 2a

Background

IFN-alpha is produced by macrophages and has antiviral activities. Interferon stimulates the production of two enzymes: protein kinase and an oligoadenylate synthetase.

Description

Interferon alpha 2a human recombinant produced in HEK cells is a glycosylated monomer, having a total molecular weight of 16 kDa. IFN-a 2a is purified by proprietary chromatographic techniques.

Physical Appearance

Sterile filtered white lyophilized (freeze-dried) powder.

Formulation

The IFN-a 2a was lyophilized from 1 mg/ml in 1xPBS.

Solubility

It is recommended to reconstitute the lyophilized IFN-a 2a in sterile water not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Stability

Lyophilized IFN-a 2a, although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IFN-a 2a should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Purity

Greater than 95% as observed by SDS-PAGE.

Activity

The specific activity was determined by the dose-dependent cytotoxicity of the human TF-1 cell line (human erythroleukemic indicator cell line) and is typically 0.1 - 0.4 ng/ml.

Usage

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