

## IFN a 2a Human, HEK

**Description:** IFN-a 2a Human Recombinant produced in HEK cells is a glycosylated monomer, having a total molecular weight of 16kDa. The IFN-a 2a is purified by proprietary chromatographic techniques.

**Catalog #:** CYP5-100

For research use only.

**Synonyms:** Leukocyte interferon, B cell interferon, Type I interferon, IFNA2, IFN-a 2a.

**Source:** HEK.

**Physical Appearance:** Sterile Filtered White lyophilized (freeze-dried) powder.

**Purity:** Greater than 95% as observed by SDS-PAGE.

**Formulation:**

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

**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.

**Usage:**

NeoBiolabs products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

**Solubility:**

It is recommended to reconstitute the lyophilized IFN-a 2a in sterile water not less than 100

**Introduction:**

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

**Biological 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 0.1-0.4ng/ml.

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