



# Genaxxon BioScience

## rHuIFN- $\alpha$ 2a

recombinant Human Interferon-alpha 2a

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Product	Cat#	Package size
rHuIFN- $\alpha$ 2a	C6014.0020	20 $\mu$ g
rHuIFN- $\alpha$ 2a	C6014.0100	100 $\mu$ g
rHuIFN- $\alpha$ 2a	C6014.1000	1 mg

### Product description

Recombinant Human IFN- $\alpha$  2a produced in E.coli is a single, non-glycosylated, polypeptide chain containing 165 amino acids and having a molecular weight of 19241 Dalton. The interferon- $\alpha$  2a gene was obtained from human leukocytes. The rHuIFN- $\alpha$  2a is purified by proprietary chromatography techniques.

**Purity :** Greater than 98.0%, determined by :  
 RP-HPLC chromatography  
 IEX-FPLC chromatography  
 reducing and non-reducing SDS-PAGE (silver stained)

**Source:** E.coli

**Physical Appearance:** Sterile filtered lyophilised white powder.

### Formulation

Lyophilised from (1 mg/ml) solution containing 7.21 mg sodium chloride and 0.77 ammonium acetate.

### Solubility

It is recommended to reconstitute the lyophilised rHuIFN- $\alpha$  2a in sterile 18 mOhm/cm H<sub>2</sub>O not less than 100  $\mu$ g/ml, which can then be further diluted to other aqueous solutions.

### Stability

Lyophilised rHuIFN- $\alpha$  2a although stable at room temperature for at least 3 weeks, should be stored desiccated at -18°C. Reconstituted rHuIFN- $\alpha$  2a should be stored at +4°C short term (2-3 days) and at -18°C for long term storage. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).

**Please prevent from repeated freeze-thaw cycles.**

### Biological Activity

Genaxxon's rHuIFN- $\alpha$  2a is fully biologically active when compared to standards. The specific activity as determined in a viral resistance assay using bovine kidney MDBK cells was found to be  $3.7 \times 10^8$ .

**Endotoxin:** less than 0.1 ng/mg (IEU/ $\mu$ g) of rHuIFN- $\alpha$  2a

### Usage

The Genaxxon rHuIFN- $\alpha$  2a is offered for research, laboratory or further manufacturing purposes. It may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

