

---

## Product Data Sheet

---

Product Name: IFN b 1a Human

Cat. No.: GP20392

Batch No.: 1

**Product Data**

Purity	>98%	Source	CHO (Chinese Hamster Ovarian) cells.
Physical Appearance	solid	Shipping Condition	Shipped at Room temp.
Synonyms	Leukocyte IFN; B cell IFN; Type I IFN; IFNB1; IFB; IFF; IFNB; IFN-b 1a ;MGC96956.		
Solubility	It is recommended to reconstitute the lyophilized IFN beta 1a in sterile 18MΩ-cm H <sub>2</sub> O not less than 100μg/ml, which can then be further diluted to other aqueous solutions.		
Formulation	Lyophilized from a solution containing 91 mg Human Albumin, and 620 mg mannitol and 50mM Acetate acid pH 3.8.		

**Introduction**

IFN-beta has antiviral, antibacterial and anticancer activities.

**Biological Activity**

The specific activity as determined in a viral resistance assay (human "Wish" cell line and VSV virus or the monkey VERO cell line with EMCV virus) was found to be 270 x 10<sup>6</sup> IU/mg.

**Stability**

Lyophilized IFN-beta 1a although stable at room temperature for 3 weeks, should be stored desiccated below -18°C . Upon reconstitution IFN-Beta1a should be stored at 4°C between 2-7 days and for future use below -18°C .Please prevent freeze-thaw cycles.

**Background**

IFN-beta 1a Human Recombinant produced in CHO (Chinese Hamster Ovarian) cells is a single, glycosylated polypeptide chain containing 166 amino acids and having a

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

---

---

## Product Data Sheet

---

molecular mass of 22500 Dalton. IFN-beta1a is purified by proprietary chromatographic techniques.

**Caution: Product has not been fully validated for medical applications. For research use only.**

**Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com**

**Address: 10292 Central Ave. #205, Montclair, CA, USA**