



# PBL InterferonSource

## HUMAN INTERFERON ALPHA K

Product Number: **11165-1**

Size: **1 x 10<sup>5</sup> units**

### Product Information

*Description:* Recombinant Human Interferon Alpha K (Hu-IFN- $\alpha$ K; Hu-IFN- $\alpha$ 6)

*Contents:* 1 x 10<sup>5</sup> units / vial

*Volume:* 0.1 ml

*Concentration:* 1 x 10<sup>6</sup> units/ml

*Buffer:* phosphate buffered saline (PBS) containing 0.1% bovine serum albumin (BSA)

*Molecular Weight:* 19,745

*Purity:*  $\geq$  95%

*Source:* gene obtained from human leukocytes expressed in *E. coli*

*Human Gene:* IFNA6

*Accession Number:* X02958

*Assay Used to Measure Bioactivity:* Interferon was titrated with the use of the cytopathic effect inhibition assay as described [Rubinstein, S., Familletti, P.C., and Pestka, S. (1981) "Convenient Assay for Interferons," *J. Virol.* **37**, 755-758; Familletti, P.C., Rubinstein, S., and Pestka, S. (1981) "A Convenient and Rapid Cytopathic Effect Inhibition Assay for Interferon," in *Methods in Enzymology*, Vol. 78 (S. Pestka, ed.), Academic Press, New York, 387-394]. In this antiviral assay for interferon about 1 unit/ml of interferon is the quantity necessary to produce a cytopathic effect of 50%. The units are determined with respect to the international reference standard for human interferon alpha A (Hu-IFN- $\alpha$ A) provided by the National Institutes of Health [see Pestka, S. (1986) "Interferon Standards and General Abbreviations," in *Methods in Enzymology* (S. Pestka, ed.), Academic Press, New York **119**, 14-23]. Unit of activity measured on bovine MDBK cells with vesicular stomatitis virus (VSV).

### Shipping Information

*Shipping Conditions:* Dry ice

*Physical State of Product During Shipping:* Frozen

*Special Conditions/Comments:* After receipt, this product should be kept at -70°C or below for retention of full activity. When thawing, the contents of the tube should be apportioned in separate tubes so that freezing and thawing is kept to a minimum. Dilute only in buffers containing protein such as 0.1% bovine serum albumin (BSA).

**This Product is for RESEARCH USE ONLY and is not for sale or use in any commercial kit.  
NOT FOR DIAGNOSTIC OR THERAPEUTIC USE, OR USE IN HUMANS.**

v.1.1

your total interferon source

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