

Human Interferon Alpha A, carrier-free Recombinant Protein

Catalog Number: CR2004 **Size:** 20 µg

Description: Recombinant Human Interferon Alpha A, carrier-free (hIFN- α A; hIFN- α 2a)

Concentration: 0.1 mg/ml

Buffer: phosphate buffered saline (PBS)

Molecular Weight: 19,241

Purity: \geq 95%

Source: cDNA obtained from human leukocyte mRNA expressed in *E. coli*

Human Gene: IFNA2

Specific Activity: 3.8×10^8 units/mg

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 (hIFN- α 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 Temperature: 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.

Usage: For Research Use Only. Not for use in diagnostic procedures.

Country of Origin: USA

* This is a generic data sheet and may be subject to change. Please see the package insert shipped with your product for current data.



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