

Human Interferon Alpha A, carrier-free Recombinant Protein

Catalog Number: CR2003 **Size:** 5.0 µg
Lot Number: 1921
Description: Recombinant Human Interferon Alpha A, carrier-free (hIFN-αA; hIFN-α2a)
Concentration: 0.05 mg/ml
Buffer: phosphate buffered saline (PBS)
Molecular Weight: 19,241
Purity: >95%
Source: cDNA obtained from human leukocyte mRNA expressed in *E. coli*
Human Gene: IFNA2
Specific Activity: 3.8 x 10⁸ 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-αA) 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).

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

