

Recombinant Human Interferon-Alpha 2b Pure, With Carrier

Publication Number MAN0004490

Rev. 1.00

Catalog Number:	PHC4064
Quantity:	1 × 10 ⁵ units/100 µL
Lot Number:	See product label.
Molecular Weight:	19.3 kDa
Purity:	≥95% by SDS-PAGE
Biological Activity:	≥2.38 × 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," <i>J. Virol.</i> 37, 755-758; Familletti, P.C., Rubinstein, S., and Pestka, S. (1981) "A Convenient and Rapid Cytopathic Effect Inhibition Assay for Interferon," in <i>Methods in Enzymology</i> , 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 50% cytopathic effect. The units are determined with respect to the international reference standard for human interferon alphaA (Hu-IFN-αA provided by the National Institutes of Health [see Pestka, S. (1986) "Interferon Standards and General Abbreviations," in <i>Methods in Enzymology</i> , Vol. 119 (S. Pestka, ed.), Academic Press, New York, 14-23]. The activity was determined with bovine MDBK cells challenged with vesicular stomatitis virus (VSV).
Production:	Produced in <i>E. coli</i> from cDNA made from human leukocyte mRNA which was transcribed from the IFNA2 gene.
Dilution Recommendation:	Further dilutions should be made in medium or buffered solution containing carrier protein such as PBS with 0.1% BSA.
Storage:	Store human IFN-Alpha 2 at -70°C. Upon initial thawing, apportion contents into working aliquots and store at -70°C. Avoid repeated freeze thaw cycles.
Expiration Date:	Expires one year from date of receipt when stored as instructed.

Explanation of Symbols

The symbols present on the product label are explained below:

Symbol	Description
	Catalog Number
	Research Use Only
	Use by
	Manufacturer
	Without, does not contain
	Protect from light
	Directs the user to consult instructions for use (IFU), accompanying the product.

Symbol	Description
	Batch code
	In vitro diagnostic medical device
	Temperature limitation
	European Community authorized representative
	With, contains
	Consult accompanying documents

Limited Use Label License: Research Use Only

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Revision Date 02 June 2011

