



GTCTCTTACC CGGATGTTCA ACCAAAAG ACTTACTACC TTTATTTTAT GTTTACTTTT TATAGATTGT CTTTTTATC
TCCTACTTGC CGTGCAACAA ACACTAAA AAAAACTGA AATACTACTA CATCAAAACG CATATTCCCT AGAAAAAAA

HUMAN INTERFERON OMEGA

Product Number: **11395-1**

Lot Number:

Expiration Date:

Size: **25 µg**

Description: Recombinant Human Interferon Omega (Hu- IFN- ω)

Contents: 25 µg/vial

Volume: ml

Concentration: mg/ml

Specific Activity: x 10 units/mg

Buffer: phosphate buffered saline (PBS) containing 2% bovine serum albumin (BSA)

Endotoxin: < 1 EU/mµg

Molecular Weight: 20 kDa

Purity: > 95%

Source: Recombinant hu-IFN- ω expressed in *E. coli*

Synonyms: IFN- ω

Accession #: X58822

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%. As there is no international standard for human interferon omega, the units are determined with respect to the international reference standard for human interferon alpha A (Hu-IFN- 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 human lung carcinoma cell line A549 with encephalomyocarditis virus (EMCV).

Shipping Conditions: Dry ice

Physical State of Product During Shipping: Frozen

Special Conditions/Comments: After receipt, this product should be kept at -20 °C or below for retention of full activity. Thaw product vial by incubation in cold tap water until just thawed - the contents of the tube should be apportioned in separate tubes so that freezing and thawing is kept to a minimum. Refreezing should be done on dry ice or in a dry ice/alcohol bath. Further dilution of the product should be in buffers containing protein such as 2% bovine serum albumin (BSA). For more information on protein handling, visit the PBL website at www.interferonsource.com.

For further product information visit www.interferonsource.com

Authorization

Released by: _____

Date:

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Rev.02

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