

Human IFN-alpha A (alpha 2a) Recombinant Protein

Product Details

Size	5 µg
Species	Human
Expression system	E. coli
Molecular weight	19.2 kDa
Class	Recombinant
Type	Protein
Purity	95%
Activity	Specific Activity = 2.5×10^8 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 50% cytopathic effect. The units are determined with respect to the international reference standard for human interferon alpha (Hu-IFN- provided by the National Institutes of Health [see Pestka, S. (1986) "Interferon Standards and General Abbreviations," in Methods in Enzymology, Vol. 119 (S. Pestka, ed.), Academic Press, New York, 14-23]. The activity was determined using bovine MDBK cells challenged with vesicular stomatitis virus (VSV).
Conjugate	Unconjugated
Form	Liquid
Purification	sequential chromatography
Storage buffer	PBS
Contains	no preservative
Storage conditions	-80°C

Applications	Tested Dilution	Publications
Western Blot (WB)	Assay-dependent	-
Immunohistochemistry (IHC)	Assay-dependent	-
ELISA (ELISA)	Assay-dependent	-
Functional Assay (FN)	Assay-dependent	-
Control (Ctrl)	Assay-dependent	-

Product Specific Information

Carrier-Free

Dilution Recommendation: Further dilutions should be made in medium or buffered solution containing carrier protein such as PBS with 0.1% BSA.

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