

## Human IFN-alpha A (alpha 2a) (Carrier-Free) Recombinant Protein

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Product Details		
Size	20 μg	
Species	Human	
Expression system	E. coli	
Molecular weight	19.2 kDa	
Class	Recombinant	
Туре	Protein	
Purity	>95%	
Endotoxin concentration <1 EU/μg		
Activity	EC50 ~ 1 U/mL; determined by use of the cytopathic effect inhibition assay described in [Rubinstein, S. et al. (1981). J. Virol. 37, 755-758]; [Familletti, P.C. et al. (1981). Methods in Enzymology, Vol. 78, 387-394]. The units are determined with respect to the international reference standard for human interferon alpha A (Hu-IFN-alpha-A) provided by the National Institutes of Health [see Pestka, S. (1986). Methods in Enzymology, Academic Press, New York 119, 14-23]. Unit of activity measured on bovine MDBK cells with vesicular stomatitis virus (VSV).	
Conjugate	Unconjugated	
Form	Liquid	
Concentration	0.2 mg/mL	
Purification	Ion-exchange chromatography, Size-exclusion chromatography	
Storage buffer	PBS	
Contains	no preservative	
Storage conditions	-80° C, Avoid Freeze/Thaw Cycles	

Applications	Tested Dilution	Publications
Western Blot (WB)	Assay-dependent	-
ELISA (ELISA)	Assay-dependent	-
Immunoprecipitation (IP)	Assay-dependent	-

## **Product Specific Information**

After receipt, the product may be stored at -20°C for short-term use (less than 6 months). For long-term storage, we recommend storing the product at -70°C or below for retention of full activity. Thaw product vial by incubation in cold tap water until just thawed. Aliquot and refreeze unused contents to minimize effects of freeze thawing. Refreezing should be done on dry ice or in a dry ice/alcohol bath. Further dilution of product should be in buffers containing protein such as 0.1% BSA or tissue culture media with serum. Dilution for freezing of material below 2 x 10<sup>5</sup> units/mL is not recommended. One freeze thaw cycle is equivalent to thawing an aliquot prepared from the material received.

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