

Rat IFN-alpha 2 Recombinant Protein

Product Details	
Size	1x10 ⁵ units
Species	Rat
Expression system	E. coli
Molecular weight	19 kDa
Class	Recombinant
Type	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]As there is no international Rat IFN-alpha standard, units are determined with respect to the international reference standard for mouse interferon alpha/beta (mouse IFN-alpha/beta) provided by the National Institutes of Health.
Conjugate	Unconjugated
Form	Lyophilized
Purification	purified
Storage buffer	citric acid, pH 5, with NaCl, 0.125M trehalose
Contains	no preservative
Storage conditions	4° C

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

Product Specific Information

Each blood donation used for interferon production tested negative for: HBsAg, HIV I-II, HCV and VDRL.

After receipt, this product should be kept at 4°C while lyophilized and at -70°C after reconstitution in sterile distilled water for retention of full activity. After reconstitution store at -70°C in aliquots. When thawing, the contents of the tube should be apportioned in separate tubes so that freezing and thawing is kept to a minimum. Further dilute only in buffers containing protein such as 0.1% bovine serum albumin (BSA).

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