

IFNA1

Recombinant Pig IFN alpha

Catalog No.	CRI268	Quantity:	≥1x10 ⁵ Units
Description:	Recombinant Pig IFN alpha 1		
Concentration:	2.35 x 10 ⁶ units/ml		
Gene ID:	397686		
Protein Accession No:	NM_214393.1		
Source:	mammalian cells		
Molecular Weight:	19.1 kDa		
Formulation:	Frozen liquid in PBS + 0.1% BSA.		
Purity:	>97%		
Endotoxin Level:	< 0.1 ng/μg of protein		
Biological Activity:	<p>Interferon was titrated with the use of the cytopathic effect inhibition assay as listed below:</p> <p>Bovine (MDBK/VSV)-performed as described [Rubinstein et al. (1981) J. Virol. 37 (2):755]. The EC₅₀ for interferon in this assay is ~ 5 U/ml. Lot Activity was derived from multiple determinations in the above assay.</p> <p>The units are determined by use of a Human IFN Alpha A (Hu IFN- A [2a]) laboratory standard calibrated to the international reference standard for Human Interferon Alpha A (Hu IFN- A [2a]) provided by the National Institutes of Health [Meager et al. (2001) J. Immunol Methods. 257(1-2):17-33]. Please note that IFN assays vary between labs and assay systems [Meager et al (2001). J. Immunol. Meth. 257:17. Meager and Das (2005) J. Immunol. Meth. 306:1]</p>		
Specific Activity:	7.83 x 10 ⁸ units/mg		
Storage & Stability:	<p>After receipt, this product should be kept at -80°C or below for retention of full activity. When thawing, 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 0.1% bovine serum albumin (BSA) or Tissue Culture Media with serum. Dilution for freezing of material below 2 x 10⁵ units/ml is not recommended. One freeze-thaw cycle is equivalent to thawing an aliquot prepared from the material received.</p>		

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