Datasheet: PHP107Z

Description:	RECOMBINANT HUMAN INTERFERON ALPHA A
Name:	IFN ALPHA A
Other names:	INTERFERON ALPHA
Format:	Rec. Protein
Product Type:	Recombinant Protein
Quantity:	5 x 10*6 UNITS/0.1ml

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
ELISA			▪	
Western Blotting			▪	
Functional Assays	▪			

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Target Species

Human

Species Cross Reactivity

Reacts with: Bovine
N.B. Antibody reactivity and working conditions may vary between species.

Product Form

Purified recombinant protein - liquid

Preparation

Prepared by a combination of ion exchange, hydrophobic interactions and size exclusion chromatography.

Buffer Solution

Phosphate buffered saline

Preservative Stabilisers

0.1% Bovine Serum Albumin

Endotoxin Level

< 1 EU/ug

External Database Links

UniProt:
P01563 Related reagents

Entrez Gene:
3440 IFNA2 Related reagents

Product Information	**Recombinant human IFN-α**; A expressed in *Escherichia coli*.
Protein Molecular Weight	19.2kD
Activity	8.5 x 10^7 units/ml Activity is determined via cyopathic inhibition assay on MDBK cells.
Purity	>95% by SDS PAGE
References	1. Kamiya, T. *et al.* (2010) Increased caspase-2 activity is associated with induction of apoptosis in IFN-beta sensitive melanoma cell lines. J Interferon Cytokine Res 30: 349-57. 2. Mathieu, M.G. *et al.* (2014) The helicase HAGE prevents interferon-α-induced PML expression in ABCB5+ malignant melanoma-initiating cells by promoting the expression of SOCS1. Cell Death Dis. 5:e1061. 3. Jinushi M *et al.* (2016) Measles Virus Genotype D Wild Strains Suppress Interferon-Stimulated Gene Expression More Potently than Laboratory Strains in SiHa Cells. Viral Immunol. Apr 1. [Epub ahead of print]
Storage	Store at -70°C. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the protein. Should this product contain a precipitate we recommend microcentrifugation before use.
Shelf Life	3 months from date of despatch.
Health And Safety Information	Material Safety Datasheet documentation #10210 available at: 10210: https://www.bio-rad-antibodies.com/uploads/MSDS/10210.pdf
Regulatory	For research purposes only

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