

Datasheet for ABIN6700932

**IFNA2 Protein**[Go to Product page](#)**1** Image

## Overview

Quantity:	20 µg
Target:	IFNA2
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Application:	SDS-PAGE (SDS)

## Product Details

Purpose:	Human Interferon-alpha 2a Recombinant Protein
Purification:	Interferon-alpha 2a purity was determined to be greater than 98% as determined by HpLC and by reducing and non-reducing SDS-pAGE.
Purity:	98,00%
Endotoxin Level:	Measured by LAL is typically $\leq 1$ EU/µg protein.
Biological Activity Comment:	The activity is determined by the ability induce antiviral activity.

## Target Details

Target:	IFNA2
Alternative Name:	IFNA2 ( <a href="#">IFNA2 Products</a> )
Background:	Synonyms: Interferon alpha-A (LeIF A) Type I Interferon, Alpha 2 Background: Interferon-alpha 2a (IFN $\alpha$ 2a) is a Type I interferon made by leukocytes during viral infection. It has anti-viral and non-proliferative activity induced by JAK1-STAT signaling. IFN-

## Target Details

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alpha 2s are the most widely used type for therapeutic purposes. IFN $\alpha$  2b is a variant of IFN $\alpha$  2a that differs by one amino acid. Recombinant human IFN $\alpha$  2a is a non-glycosylated protein, containing 166 amino acids, with a molecular weight of 19.37 kDa.

UniProt: [P01563](#)

Pathways: [JAK-STAT Signaling](#), [Regulation of Leukocyte Mediated Immunity](#), [Production of Molecular Mediator of Immune Response](#), [Hepatitis C](#)

## Application Details

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Application Notes: Other: User Optimized  
Application\_Note: Interferon-alpha 2a Recombinant Protein has been tested by SDS-PAGE and is suitable as a control for polyclonal or monoclonal anti-Interferon-alpha 2a in immunological assays.

Restrictions: For Research Use only

## Handling

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Format: Lyophilized

Reconstitution: Reconstitution\_Buffer: Restore with deionized water (or equivalent)  
Reconstitution\_Volume: 200 $\mu$ L

Concentration: 0.1 mg/mL

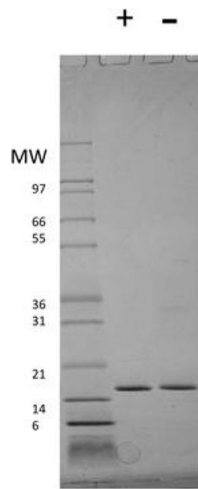
Buffer: Buffer: 0.1 % Trifluoroacetic acid  
Stabilizer: None

Preservative: Without preservative

Storage: -20 °C

Storage Comment: Store vial at -20° C prior to restoration. Dilute only prior to immediate use. Maintain sterility. This product DOES NOT contain preservative. DO NOT VORTEX. We recommend adding a carrier protein such as HSA or BSA to 0.1% (i.e. 1.0 mg/mL). For best results aliquot contents and freeze at -20° C or colder. Avoid cycles of freezing and thawing. Centrifuge vial before each opening to dislodge contents from the cap and to clarify if contents are not clear after standing at room temperature.

Expiry Date: 6 months



### SDS-PAGE

**Image 1.** SDS-PAGE of Human Interferon-alpha 2a Recombinant Protein SDS-PAGE of Human Interferon-alpha 2a Recombinant Protein. Lane 1: Molecular weight marker. Lane 2: 1 µg Human IFN alpha 2A in reducing conditions (+). Lane 3: 1 µg Human IFN alpha 2A in non-reducing conditions . Human IFN alpha 2A has a predicted MW of 19.4 kDa.