

Datasheet for ABIN6239752

IFNA Protein (AA 24-189) (His tag)



[Go to Product page](#)

1 Image

Overview

Quantity:	50 µg
Target:	IFNA
Protein Characteristics:	AA 24-189
Origin:	Mouse
Source:	HEK-293 Cells
Biological Activity:	Active
Purification tag / Conjugate:	This IFNA protein is labelled with His tag.
Application:	Activity Assay (AcA), Cell Culture (CC)

Product Details

Characteristics:	Tag location: N-terminal His Tag
Purity:	> 97 %
Biological Activity Comment:	<p>The Interferon-alpha (IFNa) proteins belong to type I interferons (IFNs) which a large subgroup of interferon proteins that help regulate the activity of the immune system. The IFNa proteins produced by leukocytes are also known as leukocyte interferon. They are mainly involved in innate immune response against viral infection. Besides, Interferon-alpha 13 (IFNA13) has been identified as an interactor of IFNa, thus a binding ELISA assay was conducted to detect the interaction of recombinant mouse IFNa and recombinant mouse IFNA13. Briefly, IFNA were diluted serially in PBS, with 0.01% BSA (pH 7.4). Duplicate samples of 100uL were then transferred to IFNA13-coated microtiter wells and incubated for 2h at 37°C. Wells were washed with PBST and incubated for 1h with anti-IFNapAb, then aspirated and washed 3 times. After incubation with HRP labelled secondary antibody, wells were aspirated and washed 3 times.</p>

Product Details

With the addition of substrate solution, wells were incubated 15-25 minutes at 37°C. Finally, add 50µL stop solution to the wells and read at 450nm immediately. The binding activity of IFNa and IFNA13 was shown in Figure 1, and this effect was in a dose dependent manner The binding activity of IFNa with IFNA13.

Target Details

Target:	IFNA
Abstract:	IFNA Products
Background:	Alternative Names: IFNA1, IFL, LeIF D, IFN, IFN-Alpha, IFNA13, IFN-A, IFNAP22, IFN-Alpha 1b, Interferon Alpha 1b, Interferon, Leukocytic, IFN, Leukocyte, Interferon alpha-D
Molecular Weight:	20/25kDa
UniProt:	P01572
Pathways:	JAK-STAT Signaling , TLR Signaling , Hepatitis C , Inflammasome

Application Details

Application Notes:	Isoelectric Point: 9.1
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Buffer:	20 mM Tris, 150 mM NaCl, pH 8.0, containing 1 mM EDTA, 1 mM DTT, 0.01 % SKL, 5 % Trehalose and Proclin300.
Preservative:	Dithiothreitol (DTT), Other preservative, ProClin
Precaution of Use:	This product contains ProClin and Dithiothreitol (DTT): POISONOUS AND HAZARDOUS SUBSTANCES which should be handled by trained staff only.

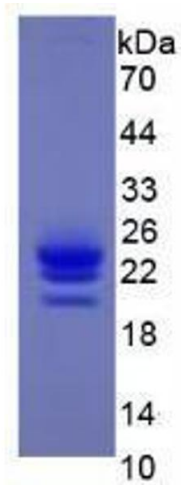


Image 1.