

**CHASELECTION****Recombinant Human IFN-alpha A****货号(Catalog Number):** CY108FXXXX(L)**别名(synonym):** Human IFNA2; IFNA2a; IFNalpha 2; IFN-alpha 2; IFN-alphaA; INFA2; interferon alpha A**来源(Source):** Human embryonic kidney cell, HEK293-derived human IFN-alpha A protein**蛋白结构 (Structure):**

该蛋白不含标签

**基因 ID:** V00549**氨基酸序列:**

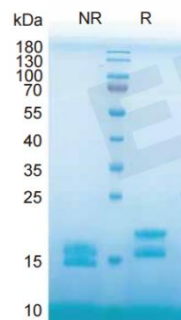
Cys24-Glu188

**分子量大小(MW):**

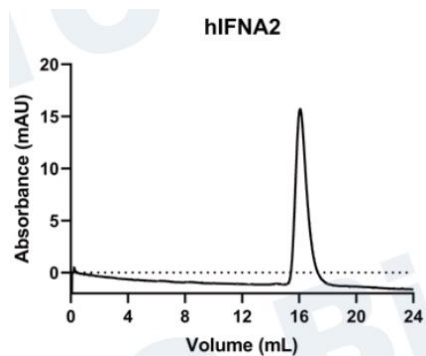
19.2 kDa

**纯度 (Purity) :**

&gt; 95%, determined by SDS-PAGE.

**SDS-PAGE**

4 ug/lane protein was resolved with SDS-PAGE under non-reducing (NR) and reducing (R) conditions and visualized by Coomassie Blue staining.

**Gel filtration**

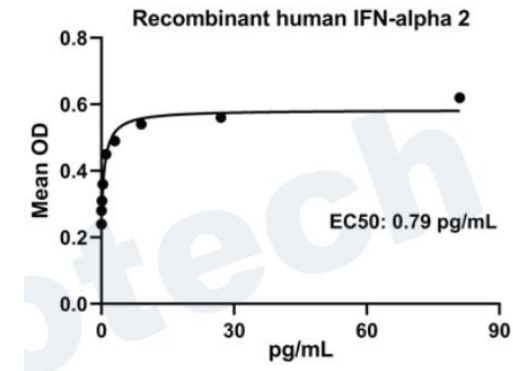
Size-exclusion chromatography of recombinant human IFN-alpha2 protein (280 nm absorbance)

**内毒素含量(Endotoxin):** <0.010 EU per 1 ug of the protein by the LAL method.**制剂(Formulation):**

Solution protein.

Dissolved in sterile PBS buffer.

This solution can be diluted into other aqueous buffers. Centrifuge the vial prior to opening.

**活性检测 (Biological Activity) :**

Recombinant human IFN-alpha2 was measured in antiviral assays using WISH human amnion cells infected with vesicular stomatitis virus(VSV)

**储存与运输(Storage):**

Avoid repeated freeze-thaw cycles.

It is recommended that the protein be aliquoted for optimal storage.

36 months from date of receipt, -20 to -70 °C as supplied.

**产品背景介绍 (Production):**

Interon-alpha (IFN-alpha), also known as leukocyte interferon, represents a group of related but distinct proteins that share over 95% amino acid sequence homology. They are members of the type I interferon family which share a common cell surface receptor composed of two subunits, a 100 kDa ligand-binding subunit (IFN-alpha R2) and a 125 kDa ligand binding and signal transduction subunit (IFN-alpha R1) that is involved both in ligand binding and signal transduction. IFN-alpha has both anti-viral and immunomodulatory activities on target cells. Type I Interferons (IFNs) are well-known cytokines that exert antiviral activity,

antitumor activity, and immunomodulatory effects.

Interferon tau (IFNT), a type I IFN similar to alpha IFNs (IFNA), is the pregnancy recognition signal produced by the ruminant conceptus. Among the IFN- $\alpha$  genes, a total of 28 different sequence variants have been described. The three principal subtypes of IFN $\alpha$ -2 are designated  $\alpha$ -2a,  $\alpha$ -2b, and  $\alpha$ -2c. IFN $\alpha$ -2b is being the predominant allele while IFN $\alpha$ -2a is less predominant and IFN $\alpha$ -2c only a minor allelic variant.

