

CHASELECTION**Recombinant Human IFN-alpha 8/IFNA8**

货号(Catalog Number): CY109FXXXX(L)

别名(synonym): IFNA8; IFN-alpha 8; IFNalpha B2; IFN-alpha B2; IFN-alpha-8; IFN-alphaB; interferon alpha type 201

来源(Source): Human embryonic kidney cell, HEK293-derived human IFN-alpha 8/IFNA8 protein

蛋白结构 (Structure):

该蛋白不含标签

基因 ID: P32881

氨基酸序列:

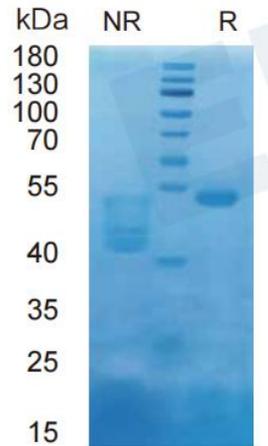
Cys24-Glu189

分子量大小(MW):

19.5 kDa

纯度 (Purity) :

> 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.

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

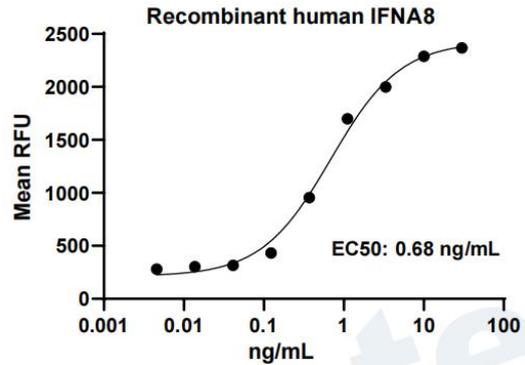
制剂(Formulation):

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-alpha 8 stimulates cell proliferation of the HeLa human cervical epithelial carcinoma cells.

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):

Interferon alpha 8 (IFNA8) 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. Interferons (IFN) are a family of cytokines with potent antiviral, antiproliferative and immunomodulatory properties, classified based on their binding specificity to cell surface receptors. Human IFNA2 was originally cloned in the early '80s and now more than a dozen closely related IFN alpha subtypes have been identified in both the human and mouse genome, each sharing about 80% amino acid

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(aa) sequence homology . Structurally, type I IFNs belong

to the class of five helical-bundle cytokines, with the IFNA subtypes containing 2 conserved disulfide bonds. The extracellular domain (ECD) of mature human IFNA8, also known as IFN-alpha B2, shares 60% aa sequence identity with mouse homolog. The type I IFNs bind to the interferon alpha receptor (IFNAR),

which consists of two subunits: IFNAR1 (alpha-subunit) and IFNAR2 (beta -subunit) . Individual IFNA subtypes are known to display unique efficacies to viral protection, and IFNA8 is the most potent IFNA, judging by both antiviral and antiproliferative activities .

