

CHASELECTION**Recombinant Human IFN-beta****货号(Catalog Number):** CY110FXXXX(L)**别名(synonym):** Fibroblast interferon; IFB; IFBIFNB; IFI; IFNB; IFNB1; IFNbeta; IFN-beta; interferon beta**来源(Source):** Human embryonic kidney cell, HEK293-derived human IFN-beta protein**蛋白结构 (Structure):**

该蛋白不含标签

基因 ID: P01574**氨基酸序列:**

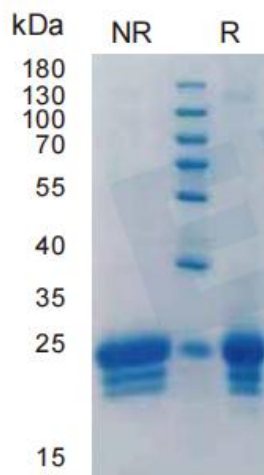
Met22-Asn187

分子量大小(MW):

20.0 kDa

纯度 (Purity) :

> 95%, determined by SDS-PAGE

SDS-PAGE

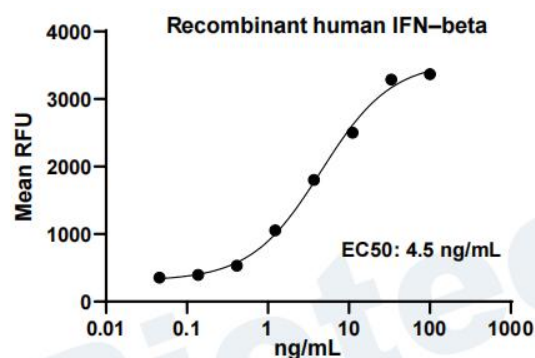
4 ug/lane protein was resolved with SDS-PAGE under non-reducing (NR) and reducing (R) conditions and visualized by Coomassie Blue staining.

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-beta 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 beta (IFN-beta), also known as fibroblast IFN, is a secreted, approximately 22 kDa member of the type I interferon family of molecules. Mature human IFN-beta shares 47% and 46% amino acid sequence identity with the mouse and rat proteins, respectively. Fibroblasts are the major producers of IFN-beta, but it can also be produced by dendritic cells, macrophages, and endothelial cells in response to pathogen exposure. It is transcriptionally regulated by TRAF3, IRF3, IRF7, and NF-kappa B. Following secretion, IFN-beta signals through the heterodimeric IFN-alpha / beta Receptor and activates the JAK/STAT signaling pathway. IFN-beta-deficient mice show increased susceptibility to experimental autoimmune

encephalomyelitis (EAE), a disease model of human multiple sclerosis (MS). Furthermore, IFN-beta has been shown to suppress the Th17 cell response in both MS and EAE and has commonly been used as a treatment for MS.

