

# Human IFNB1/IFN-beta/Interferon beta recombinant protein



Catalog Number: 500021

## General Information

### Gene Name Synonym

Fibroblast interferon

### Protein Construction

A DNA sequence encoding the human IFN $\beta$  (P01574) (Met1-Asn187) was expressed.

### Organism

Human

### Expression Host

CHO Stable Cells

## QC Testing

### Activity

Measured in antiviral assays using WISH human amnion cells infected with vesicular stomatitisvirus (VSV).

The EC<sub>50</sub> for this effect is 1-5 pg/mL.

### Purity

> 95 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per  $\mu$ g of the protein as determined by the LAL method

### Stability

Samples are stable for up to twelve months from date of receipt at -70°C

### Predicted N terminal

Met 22

## Molecular Mass

The recombinant human IFN $\beta$  consists of 166 amino acids and predicts a molecular mass of 20 KDa. It migrates as an approximately 20-23 KDa band in SDS-PAGE under reducing conditions.

## Formulation

Lyophilized from sterile 50mM Hepes, pH 7.0

1. 5 % trehalose and mannitol are added as protectants before lyophilization.

2. Please contact us for any concerns or special requirements.

## Usage Guide

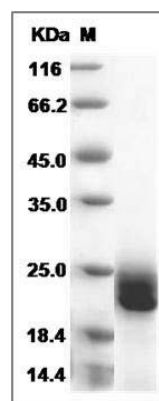
### Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

### Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

## SDS-PAGE



Human Interferon beta / IFN-beta / IFNB Protein  
SDS-PAGE