

## General Information

### Gene Name Synonym

Immune interferon

### Protein Construction

A DNA sequence encoding the human  $\gamma$ -IFN (NP\_000610.2) (Met 1-Gln 166) was expressed and purified.

### Organism

Human

### Expression Host

CHO Cells

## QC Testing

### Activity

Measured in antiviral assays using WISH human amnion cells infected with vesicular stomatitis virus (VSV). The  $EC_{50}$  for this effect is typically 0.1-0.5 ng/mL.

### Purity

> 92 % 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  $-70^{\circ}\text{C}$

### Predicted N terminal

Gln 24

### Molecular Mass

The secreted recombinant human  $\gamma$ -IFN consists of 143 amino acids and has a predicted molecular mass of 16.7 kDa.  $\gamma$ -IFN migrates as two bands with apparent molecular mass of 21&25 kDa probably due to different glycosylation.

### Formulation

Lyophilized from sterile PBS, pH 7.4

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

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

## Usage Guide

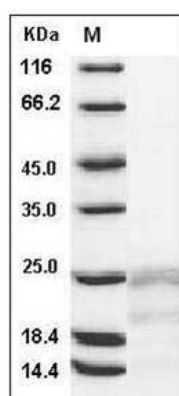
### Storage

Store it under sterile conditions at  $-20^{\circ}\text{C}$  to  $-80^{\circ}\text{C}$ . 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 IFN-gamma / IFNG /  $\gamma$ -IFN Protein SDS-PAGE