

Human IFN gamma recombinant protein



Catalog Number: 501877

Gene Name Synonym

Immune interferon

Protein Construction

A DNA sequence encoding the human γ -IFN (NP_000610.2) (Met 1-Gln 166) was expressed and purified.

Organism

Human

Expression Host

CHO Cells

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 μ 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

Gln 24

Molecular Mass

The secreted recombinant human γ -IFN consists of 143 amino acids and has a predicted molecular mass of 16.7 kDa. γ -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.

Storage

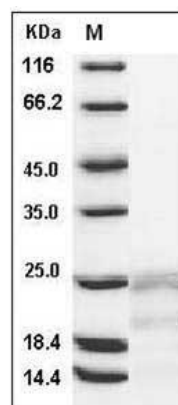
Store it under sterile conditions at -20°C to -80°C .

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 IFN-gamma / IFNG / γ -IFN Protein SDS-PAGE