

General Information

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

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 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.

Usage Guide

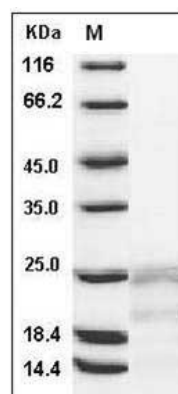
Storage

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