

General Information

Gene Name Synonym

Interferon alpha-II-1

Protein Construction

A DNA sequence encoding the human IFN ω (NP_002168.1) (Cys 24-Ser 195) was fused with the Fc region of human IgG1 at the N-terminus.

Organism

Human

Expression Host

Human Cells

QC Testing

Activity

Measured in antiviral assays using WISH human amnion cells infected with vesicular stomatitis virus (VSV). The EC₅₀ for this effect is 0.03-0.3 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

Glu 20

Molecular Mass

The recombinant human IFN ω /Fc chimera is a disulfide-linked homodimer. The reduced monomer comprises 409 amino acids with a predicted molecular mass of 46.6 kDa. As a result of glycosylation, rh IFN ω /Fc monomer migrates as an approximately 50 kDa band in SDS-PAGE under reducing conditions.

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

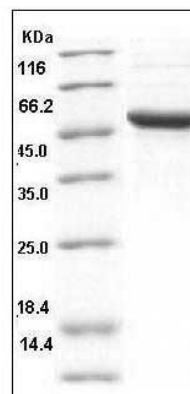
Storage

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 Interferon omega-1 / IFN ω / IFNW1 Protein (Fc Tag) SDS-PAGE