

Human IFNB1/IFN-beta/Interferon beta (Fc Tag) recombinant protein



Catalog Number: 503753

General Information

Gene Name Synonym

Fibroblast interferon

Protein Construction

A DNA sequence encoding the human IFN β (NP_002167.1) (Met 1-Asn 187) was fused with the Fc region of human IgG1 at the C-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 0.08-0.8 ng/mL.

Purity

> 95 % 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

Met 22

Molecular Mass

The recombinant human IFN β /Fc is a disulfide-linked homodimeric protein. The reduced monomer consists of 404 amino acids and has a predicted molecular mass of 46.7 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rh IFN β /Fc monomer is approximately 52 kDa due to 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

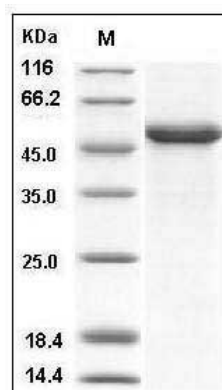
Storage

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 Interferon beta / IFN-beta / IFNB Protein (Fc Tag) SDS-PAGE