

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



Catalog Number: 502230

General Information

Protein Construction

A DNA sequence encoding the extracellular domain of mouse IFNB1 (P01575) (Met 1-Asn 182) was fused with the Fc region of human IgG1 at the C-terminus.

Organism

Mouse

Expression Host

Human Cells

QC Testing

Activity

Measured in antiviral assays using L929 cells infected with vesicular stomatitisvirus (VSV). The ED₅₀ for this effect is typically 10-50 µg/mL.

Purity

> 92 % as determined by SDS-PAGE

Endotoxin

< 1.0 EU per µg 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

Ile 22

Molecular Mass

The secreted recombinant mouse IFNB1/Fc is a

disulfide-linked homodimer. The reduced monomer comprises 402 amino acids and has a calculated molecular mass of 46.7 kDa. As a result of glycosylation, the apparent molecular mass of rmIFNB1/Fc monomer is approximately 58 kDa 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

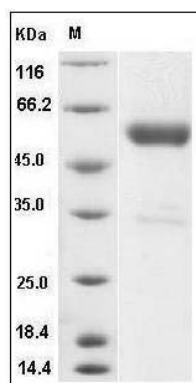
Store it under sterile conditions at -20°C to -80°C.

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



Mouse IFNB1 / IFN-beta / Interferon beta Protein (Fc Tag) SDS-PAGE