

# Mouse IFNB1/IFN-beta/Interferon beta recombinant protein



Catalog Number: 503989

## General Information

### Protein Construction

A DNA sequence encoding the mouse IFNB1 (P01575) (Met 1-Asn 182) was fused with five amino acids (DDDDK) at the C-terminus was expressed and purified.

### Organism

Mouse

### Expression Host

Human Cells

## QC Testing

### Activity

Measured in antiviral assays using L929 cells infected with vesicular stomatitisvirus (VSV). The ED<sub>50</sub> for this effect is typically 2-8 pg/mL.

### Purity

> 90 % 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

Val 19

### Molecular Mass

The recombinant mouse IFNB1 consists of 166 amino acids and has a calculated molecular mass of 20.3 kDa. The recombinant protein migrates as an approximately 30 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

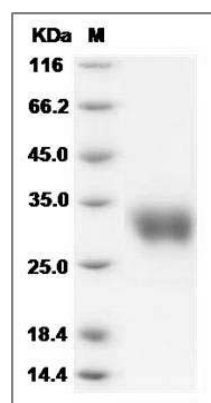
### Storage

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



Mouse IFNB1 / IFN-beta / Interferon beta Protein SDS-PAGE