# Mouse IFNA14 (His Tag) recombinant protein

Catalog Number: 504132



## **General Information**

## Gene Name Synonym

Interferon, alpha 14; MCG146423; Protein Ifna14

#### **Protein Construction**

A DNA sequence encoding the mouse IFNA14 (NP\_996858.1)(Cys24-Lys189) was expressed with a C-terminal polyhistidine tag.

# Organism

Mouse

### **Expression Host**

**Human Cells** 

# **QC Testing**

### **Activity**

Measured in antiviral assays using L929 cells infected with vesicular stomatitisvirus (VSV). The  $ED_{50}$  for this effect is typically 5-40 pg/mL.

### **Purity**

> 90 % as determined by SDS-PAGE

#### **Endotoxin**

 $< 1.0 \; \text{EU}$  per  $\mu g$  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**

Cys 24

#### **Molecular Mass**

The recombinant mouse IFNA14 comprises 177 amino acids and has a predicted molecular mass of 20.5 kDa. The apparent molecular mass of the protein is approximately 20 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**

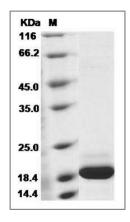
#### **Storage**

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 IFNA14 / Interferon alpha-14 Protein (His Tag) SDS-PAGE