# Mouse IFNAR1 (His Tag) recombinant protein

Catalog Number: 500630



# **General Information**

# Gene Name Synonym

Type I interferon receptor 1

### **Protein Construction**

A DNA sequence encoding the extracellular domain of mouse IFNAR1 (NP\_034638.2) extracellular domain (Met 1-Thr 429) was expressed, with a polyhistidine tag at the Cterminus.

# **Organism**

Mouse

# **Expression Host**

**Human Cells** 

# **QC Testing**

# **Activity**

Measured by its ability to inhibit mIFNB1 mediated protection of L929 mouse fibroblast cells infected with vesicular stomatitis virus (VSV) to viral lysis.

The  $ED_{50}$  for this effect is typically 0.2-1µg/mL.

#### **Purity**

> 96 % as determined by SDS-PAGE

#### **Endotoxin**

< 1.0 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

Glu 27

#### Molecular Mass

The recombinant mouse IFNAR1 consists of 414 amino acids and has a predicted molecular mass of 47 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rm IFNAR1 is approximately 55-60 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**

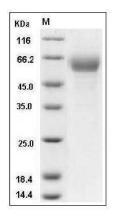
# **Storage**

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**



Mouse IFNAR1 / IFNAR Protein (His Tag) SDS-PAGE