

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 C-terminus.

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 ED₅₀ for this effect is typically 0.2-1µg/mL.

Purity

> 96 % 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

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

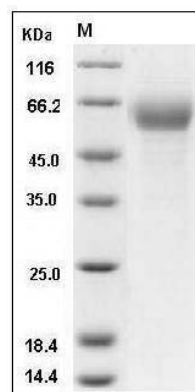
Storage

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