

General Information

Gene Name Synonym

Protein Ifngr1

Protein Construction

A DNA sequence encoding the rat IFNGR (Q6P6T3) (Met1-Ser241) was expressed with the Fc region of human IgG1 at the C-terminus.

Organism

Rat

Expression Host

Human Cells

QC Testing

Activity

1. Measured by its binding ability in a functional ELISA. Immobilized rat IFNGR-Fc (cat:502417) at 10 µg/ml (100 µl/well) can bind biotinylated rat IFNG-Fc (Cat:500370). The EC_{50} of biotinylated rat IFNG-Fc (Cat:500370) is 0.10-0.24 µg/ml.
2. Measured by its ability to inhibit rat IFN γ -mediated protection of L929 cells infected with vesicular stomatitisvirus (VSV). The ED_{50} for this effect is typically 0.5-4 ng/mL in the presence of 10 ng/mL of recombinant rat IFN-gamma.

Purity

(22.7+76.3) % 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

Ala 17

Molecular Mass

The recombinant rat IFNGR/Fc is a disulfide-linked homodimer. The reduced monomer comprises 466 amino acids and has a predicted molecular mass of 52.4 kDa. The apparent molecular mass of the protein is approximately 117 and 65-80 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

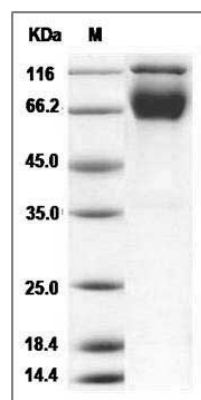
Storage

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



Rat IFNGR1/CD119 (Fc Tag) recombinant protein



Catalog Number: 502417

Rat IFNGR / IFNGR1 Protein (Fc Tag) SDS-PAGE