Mouse IFNA2 / Interferon alpha 2 Protein

Catalog Number: 50525-MNAY

General Information

Gene Name Synonym:
Ifa2

Protein Construction:
A DNA sequence encoding the mouse Ifna2 (NP_034633.2) (Cys24-Glu190) was expressed.

Source: Mouse

Expression Host: Yeast

QC Testing

Purity: > 95 % as determined by SDS-PAGE.

Bio Activity:
Measured in antiviral assays using L929 cells infected with vesicular stomatitis virus (VSV). The ED50 for this effect is typically 25-100 pg/mL.

Endotoxin:
Please contact us for more information.

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 Ifna2 consists 167 amino acids and predicts a molecular mass of 19.4 kDa.

Formulation:
Lyophilized from sterile PBS, pH 7.4.

Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

Usage Guide

Storage:
Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

Reconstitution:
Detailed reconstitution instructions are sent along with the products.

SDS-PAGE:

Protein Description

Type I Interferons (IFNs) are well known cytokines which exert antiviral activity, antitumor activity and immunomodulatory effects. Interferon tau (IFNT), a type I IFN similar to alpha IFNs (IFNA), is the pregnancy recognition signal produced by the ruminant conceptus.

References