

Human Interferon alpha 2 / IFNA2 Protein

Catalog Number: 13833-HNAY



Sino Biological
Biological Solution Specialist

General Information

Gene Name Synonym:

IFN-alphaA; IFNA; IFNA2B; IFNAB; INFA2; Interferon alpha 2

Protein Construction:

A DNA sequence encoding the human IFNA2A (P01563.1) (Cys24-Glu188) was expressed.

Source: Human

Expression Host: Yeast

QC Testing

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

Bio Activity:

Measured in antiviral assays using WISH human amnion cells infected with vesicular stomatitis virus(VSV). The EC_{50} for this effect is typically 0.6-4.2pg/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 human IFNA2A consists 165 amino acids and predicts a molecular mass of 19.3 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:

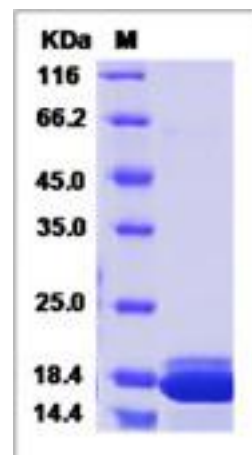
Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

Reconstitution:

Detailed reconstitution instructions are sent along with the products.

SDS-PAGE:



References

- 1.Wang, *et al.* (2004) Fever of recombinant human interferon-alpha is mediated by opioid domain interaction with opioid receptor inducing prostaglandin E2. J Neuroimmunol. 156(1-2): 107-12.
- 2.Groopman JE, *et al.* (1984) Recombinant alpha-2 interferon therapy for Kaposi's sarcoma associated with the acquired immunodeficiency syndrome. Ann Intern Med. 100(5): 671-6.
- 3.Krueger JM, *et al.* (1987) Interferon alpha-2 enhances slow-wave sleep in rabbits. Int J Immunopharmacol. 9(1): 23-30.

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