

Product Information

HumanKine® Interferon α 2A, Human Recombinant, Expressed in HEK 293 Cells

H6041

Storage Temperature -20°C

Synonyms: IFN- α 2a, IFN

Product Description

HumanKine® IFN α 2A, expressed in human 293 cells, is a glycosylated monomer with an apparent molecular mass of 14-19 kDa. Production in human 293 cells offers authentic glycosylation. Glycosylation contributes to stability in cell growth media and other applications.

IFN α 2A belongs to the type I interferon protein family and is produced by many cell types in response to viral infection. It has antiproliferative and antitumor activities, as well as induction of apoptosis and the inflammatory response. IFN α 2A enhances the expression of MHC proteins by increasing the presentation of antigen peptides and activates cytotoxic T cells.

This product is lyophilized from 0.2 μm filtered solution in 1x PBS.

The activity was determined by the dose-dependent cytotoxicity of the human TF-1 cell line (human erythroleukemic indicator cell line).

Purity: > 95% (SDS-PAGE)

Endotoxin level: ≤ 0.06 ng/mL

Precautions and Disclaimer

This product is for R&D use only, not for drug, household, or other uses. Please consult the Safety Data Sheet for information regarding hazards and safe handling practices.

Preparation Instructions

Briefly centrifuge the vial before opening. It is recommended to reconstitute at a concentration of 0.2 mg/mL in sterile 1X PBS containing 0.1% recombinant human serum albumin.

Storage/Stability

Store the product at -20°C .

Upon reconstitution, the cytokine can be stored at $2-8^{\circ}\text{C}$ for one week, or at -20°C to -80°C in aliquots for long term. Avoid repeated freeze-thaw cycles.

References

1. Mire-Sluis, A.R. et al., J. Immunol. Methods, 195, 55-61 (1996).
2. Bogdan, C. et al., Immunol. Rev., 202, 33-48 (2004).

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23196017pis Rev 05/25

