Product Information

Interferon α 2A human recombinant, expressed in HEK 293 cells

Catalog Number: SRE0013
Storage Temperature: -20°C

Synonyms: IFN α 2A, Interferon alpha-A, LeIF A

Product Description
Interferon α 2A belongs to the type I interferon protein family. It is produced by many cell types in response to viral infection. It has antiproliferative and antitumor activities, as well as induction of apoptosis and inflammatory response.

Recombinant human IFN α 2A is expressed in HEK 293 cells as a glycosylated monomer of 165 amino acids, with an average molecular weight of 20 kDa (monomer).

This product is lyophilized from phosphate buffered saline.

Activity: ≥1X10^8 Units/mg

The biological activity of recombinant human IFN α 2A is tested in the cytopathic effect inhibition assay using A549 cells with EMC virus. A cytopathic effect of 50% is produced with 1 unit/ml interferon. The units are determined with respect to NIH international standard reference for human interferon-alpha A.

Purity: ≥98% (SDS-PAGE)

Endotoxin level: ≤1 EU/µg IFN α 2A

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

Preparation Instructions
Briefly centrifuge the vial before opening. It is recommended to reconstitute the protein in sterile DDW containing 0.1% endotoxin-free recombinant human serum albumin, to a final concentration of 100 µg/ml.

Storage/Stability
Store product at -20°C. The product retains activity for at least 2 years as supplied. After initial thawing it is recommended to store the protein in working aliquots at -20 °C.

References

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