Interferon-αA, human recombinant, expressed in *Escherichia coli* cell culture tested

Catalog Number I4276
Storage Temperature –20 °C

CAS RN 105388-21-4
Synonyms: IFN-αA, Hu-IFN-αA, Interferon α2A

**Product Description**

Type I Interferons are a closely related family of 165–172 amino acid proteins that are produced by leucocytes (α subtypes), fibroblasts (β subtypes), lymphocytes (ω subtypes), and ruminant embryos (τ subtypes). Interferon induces a variety of effects on target cells including antiviral, antiproliferative, and immunomodulatory activities.

This recombinant, human Interferon-αA product (19 kDa) is a carrier-free recombinant interferon produced from cDNA obtained from human leucocyte mRNA expressed in *E. coli*. It is supplied as a solution in 5 mM sodium acetate, pH 4.0.

Purity: ≥95% (SDS-PAGE and HPLC)

Endotoxin level: <1 EU/µg

The biological activity of recombinant, human IFN-αA is determined in the cytopathic effect inhibition assay using MDBK cells with vesicular stomatitis virus (VSV).2,3 A cytopathic effect of 50% is produced with 1 unit/ml interferon. The units are determined with respect to WHO International Standard Reference for human interferon αA (Hu-IFN-αA).

**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**

Dilute the product in buffers containing ≥0.1% bovine serum albumin.

**Storage/Stability**

The product ships on wet ice and storage at –20 °C is recommended.

**References**


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