**Product Information**

**Interferon β 1a**  
**human, recombinant expressed in CHO cells**

Catalog Number I4151  
Storage Temperature 2–8 °C

**Synonym:** IFN-β 1a

**Product Description**

Interferon-β is known to affect many important cell mediated immune responses, including enhanced expression of MHC molecules, β2-microglobulin, tumor associated antigens, and cytokine receptors for tumor necrosis factor, interleukin-1, interleukin-2, and colony stimulating factors.\(^1\)

Recombinant, human Interferon β 1a (Hu-IFN-β 1a) is obtained from human fibroblast mRNA expressed in CHO cells. It is supplied as a solution in 10 mM acetic acid.

**Molecular mass:** \(\sim 23 \text{ kDa}\)

**Purity:** \(\geq 95\%\) (one N-glycosylation site)  
[SDS-PAGE and HPLC]

IFN-β activity is determined in a bioassay system against the standard reference for human interferon β by the inhibition of cytopathic effect in VERO cells challenged with ECMV or human “Wish” cells challenged with VSV.\(^2,3\)

**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**

Before opening, the vial should be centrifuged briefly at 2–8 °C to concentrate the contents on the bottom of the tube. The product should be further diluted in buffer containing \(\geq 0.1\%\) bovine serum albumin.

**Storage/Stability**

Store the product at 2–8 °C.

**References**