



Interferon alpha1, human recombinant (rHuIFN-alpha1)

Catalog No: 94919
Lot No: XXXXX
Source: *E. coli*
Synonyms: IFNA1, IFN-alpha 1, Interferon -a

Background

Interferons are cytokines that are widely known to induce potent anti-viral activity. Interferon- α exerts a variety of other biological effects, including antitumor and immunomodulatory activities and are increasingly used clinically to treat a range of malignancies, myelodysplasias and autoimmune diseases.

Description

IFNA1 human recombinant produced in *E. coli* is a single, non-glycosylated, polypeptide chain containing 167 amino acids (24-189) and having a molecular mass of 19.5 kDa. IFN-alpha 1 is purified by proprietary chromatographic techniques.

Physical Appearance

Sterile filtered colorless solution.

Formulation

1 mg/ml in phosphate-buffered saline (PBS), pH 7.4.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Purity

Greater than 95.0% as determined by SDS-PAGE.

Amino Acid Sequence

MCDLPETHSL DNRRTLMLLA QMSRISPSSC LMDRHDFGFP QEEFDGNQFQ KAPAVISVLHE LIQQIFNLFT TKDSSAAWDE
DLLDKFCTEL YQQLNDLEAC VMQEERVGET PLMNVDSILA VKKYFRITL YLTEKKYSPC AWEVVRAEIM RLSLSLSTNLQ
ERLRRKE

Usage

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