



Product Datasheet

Product Name	Interferon-Alpha 1 Human Recombinant
Cata No	CB500193
Source	<i>Escherichia Coli.</i>
Synonyms	IFNA1, IFN-alpha 1, Interferon - α .

Description

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.

IFNA1 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 167 amino acids and having a molecular mass of 19.5 kDa.

The IFN-alpha 1 is purified by proprietary chromatographic techniques.

Physical Appearance

Sterile Filtered colorless solution.

Purity

Greater than 95.0% as determined by:

(a) Analysis by RP-HPLC.

(b) Analysis by SDS-PAGE.

Formulation

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

Stability

Liquid Interferon although stable at 10°C for 1 week, should be stored below -18°C.

For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).

Please prevent freeze-thaw cycles.

Sequence

MCDLPETHSL DNRRTLMLLA QMSRISPSSC
LMDRHDFGFP QEEFDGNQFQ KAPAISVLHE
LIQQIFNLFT TKDSSAAWDE DLLDKFCTEL
YQQLNDLEAC VMQEERVGET PLMNVDSILA
VKKYFRRITL YLTEKKYSPC AWEVVRAEIM
RSLSLSTNLQ ERLRRKE.