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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Interferon beta1a, human recombinant (rHuIFN-beta1a-CHO)

Catalog No: 86421
Lot No: XXXXX
Source: CHO cells
Synonyms: Leukocyte interferon, B cell interferon, Type I interferon, IFNB1, IFB, IFF, IFNB, IFN-b 1a, MGC96956

Background

Interferon-beta has antiviral, antibacterial and anticancer activities.

Description

Interferon beta 1a human recombinant produced in CHO (Chinese Hamster Ovarian) cells is a single, glycosylated polypeptide chain containing 166 amino acids and having a molecular mass of 22,500 Dalton. IFN-beta1a is purified by proprietary chromatographic techniques.

Formulation

Lyophilized from a 1 mg/3.4 ml solution containing 91 mg human albumin and 620 mg mannitol and 50 mM acetic acid pH 3.8.

Solubility

It is recommended to reconstitute the lyophilized IFN-b 1a in sterile 18 MΩ-cm H₂O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Stability

Lyophilized Interferon-beta 1a, although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IFN-Beta1a should be stored at 4°C between 2-7 days and for future use below -18°C. Please prevent freeze-thaw cycles.

Purity

Greater than 99.0% as determined by (a) Analysis by RP-HPLC, (b) Analysis by SDS-PAGE.

Amino Acid Sequence

MSYNLLGFLQ RSSNFQCQKL LWQLNGRLEY CLKDRMNFDI PEEIKQLQQF QKEDAALTIY EMLQNIFAIF RQDSSSTGWN
ETIVENLLAN VYHQINHLKT VLEEKLEKED FTRGKLMSSL HLKRYYGRIL HYLKAKEYSH CAWTIVRVEI LRNFYFINRL
TGYLNRN

Activity

The specific activity as determined in a viral resistance assay (human "Wish" cell line and VSV virus or the monkey VERO cell line with EMCV virus) was found to be 270 x 10⁶ IU/mg.

Usage

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