
Product Data Sheet

Product Name: IFNA2C Human
 Cat. No.: GP26032
 Batch No.: 1

Product Data

Purity >98% Source Saccharomyces cerevisiae.

Physical Appearance solid Shipping Condition atRoomtemp.

Synonyms Interferon alpha-2, IFN-alpha-2, Interferon alpha-A, LeIF A, IFNA2, IFNA2A, IFNA2B, IFNA2C.

Amino Acid Sequence CDLPQTHSLG SRRTLMLLAQ MRRISLFSC LKDRRDFGFPQ EEFGNQFQKA
 ETIPVLHEMI QQIFNLFSTK DSSAAWDETL LDKFYTELYQ QLNDLEACVI
 QGVGVTETPL MKEDSILAVR KYFQRITLYL KEKKYSPCAW EVVRAEIMRS
 FSLSTNLQES LRSKE.

Solubility It is recommended to reconstitute the lyophilized Interferon-alpha 2c in sterile 18MΩ-cm H₂O not less than 100μg/ml, which can then be further diluted to other aqueous solutions.

Formulation Lyophilized from a 0.2μm filtered concentrated solution in PBS, pH 7.4 and 0.02 % Tween-20.

Introduction

IFN-alpha is produced by macrophages and has antiviral activities. IFN stimulates the production of two enzymes: protein kinase and an oligoadenylate synthetase.

Biological Activity

The activity is determined by the cytopathic effect inhibition assay.

Stability

Lyophilized IFNA2C although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Interferon-alpha 2c should be stored at 4°C between 2-7 days and for future use below -18°C. Please prevent freeze-thaw cycles.

Background

Caution: Product has not been fully validated for medical applications. For research use only.

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Interferon-alpha 2c Recombinant Human produced in yeast is a single, glycosylated polypeptide chain containing 165 amino acids and having a molecular mass of 19.3kDa. The IFNA2C is purified by proprietary chromatographic techniques.

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