

32-6385: IFNA2C Human

Application : Functional Assay

Alternative Name : Interferon alpha-2, IFN-alpha-2, Interferon alpha-A, IeIF A, IFNA2, IFNA2A, IFNA2B, IFNA2C.

Description

Source: *Saccharomyces cerevisiae*.

Sterile Filtered White lyophilized (freeze-dried) powder.

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

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.

Product Info

Amount : 20 µg / 100 µg

Purification : Greater than 97.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.

Content : Lyophilized from a 0.2µm filtered concentrated solution in PBS, pH 7.4 and 0.02 % Tween-20. It is recommended to reconstitute the lyophilized Interferon-alpha 2c in sterile 18M Omega -cm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Storage condition : 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.

Amino Acid : CDLPQTHSLG SRRTLMLLAQ MRRISLFSCL KDRRDFGFPQ EEFGNQFQKA ETIPVLHEMI QQIFNLFSTK DSSAAWDETL LDKFYTELYQ QLNDLEACVI QGVGVTTETPL MKEDSILAVR KYFQRITLYL KEKKYSPCAW EVVRAEIMRS FSLSTNLQES LRSKE.

Application Note

The activity is determined by the cytopathic effect inhibition assay.™