

32-1321: IFNB 1a Recombinant Protein

Alternative Name : Leukocyte interferon,B cell interferon,Type I interferon,IFNB1,IFB,IFF,IFNB,IFN-b 1a ,MGC96956.

Description

Source : CHO (Chinese Hamster Ovarian) cells. 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 22500 Dalton. IFN-beta1a is purified by proprietary chromatographic techniques. Interferon-beta has antiviral, antibacterial and anticancer activities.

Product Info

Amount :	20 µg
Purification :	Greater than 99.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
Content :	Lyophilized from a solution (1mg/3.4ml) containing 91 mg Human Albumin, and 620 mg mannitol and 50mM Acetate acid pH 3.8.
Storage condition :	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.

Application Note

It is recommended to reconstitute the lyophilized Interferon beta 1a in sterile 18M²-cm H₂O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions. 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.