

Human IFN b 1a Recombinant Protein



RPPB0393

Product Information Protein Information

Product SKU:

RPPB0393

Accession:

P01574

Host:

CHO (Chinese Hamster Ovarian) cells.

Protein description:

IFN-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.

Synonyms:

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

Formulation:

Lyophilized from a solution containing 91 mg Human Albumin, and 620 mg mannitol and 50mM Acetate acid pH 3.8.

Purity:

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

Solubility:

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

Stability:

Lyophilized IFN-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.

Biological 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.