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32-1312: IFN a 2a Recombinant Protein

Alternative Name : Leukocyte interferon,B cell interferon,Type I interferon,IFNA2,IFN-a 2a.

Description

Source : Escherichia Coli. Interferon Alpha Human 2a Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 165 amino acids and having a molecular mass of 19241 Dalton.The Interferon-a 2a gene was obtained from human leukocytes.The IFN-A 2a is purified by proprietary chromatographic techniques. IFN-alpha is produced by macrophages and has antiviral activities. Interferon stimulates the production of two enzymes: protein kinase and an oligoadenylate synthetase.

Product Info

Amount :	100 µg
Purification :	Greater than 97.0% as determined by both:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
Content :	Lyophilized without additives.
Storage condition :	Lyophilized Interferon alpha 2a although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IFN-alpha 2a should be stored at 4°C between 2-7 days and for future use below -18°C.For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please prevent freeze-thaw cycles.
Amino Acid :	The sequence of the first five N-terminal amino acids was determined and was found to be Cys-Asp-Leu-Pro-Gln, conforming to the sequence of native human IFN-a.N-terminal methionine has been completely removed enzymatically.

Application Note

It is recommended to reconstitute the lyophilized Interferon-alpha 2a in sterile 18MÃ□Â©-cm H2O not less than 100Ã□Âµg/ml, which can then be further diluted to other aqueous solutions. The specific activity as determined in a viral resistance assay using bovine kidney MDBK cells was found to be 270,000,000 IU/mg.