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IFN b 1a Human

IFN-Beta 1a Human Recombinant
CYK0191

Product Overview

Name	IFN b 1a Human
Description	
IFN-Beta 1a Human Recombinant	
Accession (Primary)	P01574
Synonyms	
Leukocyte IFN, B cell IFN, Type I IFN, IFNB1, IFB, IFF, IFNB, IFN-b 1a ,MGC96956.	
Introduction	
IFN-beta has antiviral, antibacterial and anticancer activities.	
Source	
CHO (Chinese Hamster Ovarian) cells.	
Formulation	
Lyophilized from a solution containing 91 mg Human Albumin, and 620 mg mannitol and 50mM Acetate acid pH 3.8.	
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.	
Purity	
Greater than 99.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.	
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 10 6 IU/mg.	
Solubility	
It is recommended to reconstitute the lyophilized IFN beta 1a in sterile 18MΩ-cm H2O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.	
References	
Title :IFNG induces apoptosis in human SH-SY5Y neuroblastoma cells through activation of JAK–STAT signaling and down-regulation of PI3K/Akt pathway. Publication :Article first published online: 11 NOV 2010 DOI:10.1111/j.1471-4159.2010.07046.x Link : IFN b 1a prospec publication	

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Precautions

IFN b 1a Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P01574)