9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
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IFN a 1b Human

Interferon-Alpha 1b Human Recombinant
CYK0185

Product Overview

Name	IFN a 1b Human
Description	
Interferon-Alpha 1b Human Recombinant	
Accession (Primary)	Q8WZ68
Introduction	
IFN-alpha 1b is produced by macrophages, IFN-alpha 1b has antiviral activities and stimulates the production of two enzymes: a protein kinase and an oligoadenylate synthetase.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered White lyophilized (freeze-dried) powder.	
Formulation	
Lyophilized from a 0.2 μm filtered solution (50ug/ml) in PBS, pH 7.4, containing 4% mannitol and 1% HSA.	
Stability	
Lyophilized Interferon alpha 1b although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IFN-alpha 1b 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.	
Purity	
Greater than 96.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.	
Amino acid sequence	
The sequence of the first five N-terminal amino acids was determined and was found to be Cys-Asp-Leu-Pro-Glu.	
Biological Activity	
The specific activity as determined in a viral resistance assay using bovine kidney MDBK cells was found to be 1 x 10 8 IU/ mg.	
Solubility	
It is recommended to reconstitute the lyophilized IFN alpha 1b in sterile 18MΩ-cm H2O not less than 100 μg/ml, which can then be further diluted to other aqueous solutions.	

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Precautions

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

Target Information: (Q8WZ68)