

IFNB1

Recombinant Rat IFN-beta

Catalog No.	CSI10904	Quantity:	15 µg
Alternate Names:	RP11-113D19.1, IFB, IFF, IFNB, MGC96956, interferon beta, IFN-beta, fibroblast interferon		
Contents:	15 µg/vial (10 ⁶ units/vial)		
Production:	By Chinese hamster ovary (CHO) cells transformed with the chromosomal gene encoding rat IFN-β The interferon is differentially glycosylated.		
Gene ID:	24481		
Purity:	> 90% pure		
Specificity:	Shows 10% bioactivity on human (HEp-2) and 20% on mouse (L-929) cells as compared to the homologous combination.		
Sterility:	Membrane filtered (0.2 µm).		
Quantitation:	Protein concentration was deduced from the biological activity in an antiviral bioassay.		
Specific Activity:	≥ 6x10 ⁷ units/mg protein.		
Endotoxin:	< 1 EU/vial		
Buffer:	Prior to lyophilization: 0.5 ml PBS + 125 mM trehalose.		
Purification:	Dye-affinity and gel-exclusion chromatography.		
Reconstitution:	Dissolve the contents of the vial by injection of 0.5 ml sterile distilled water.		
Packaging:	Lyophilized and vacuum-packed.		
Unit:	One unit is defined as the amount of interferon that inhibits 50% of the cytopathic effect of Vesicular stomatitis virus in monolayer cultures of R4 cells grown in the wells of a 96-well microtiter plate. The unit is subsequently corrected by reference to a laboratory standard preparation.		
Storage & Stability:	Lyophilized product is stable for at least one year at 4°C. After reconstitution, the contents can be best divided into small aliquots for single use and stored at -80°C. After thawing, the cytokine is stable for at least three weeks at 4°C.		

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