

## IFNB1

### Recombinant Rat IFN-beta

<b>Catalog No.</b>	CSI10904	<b>Quantity:</b>	15 µg
<b>Alternate Names:</b>	RP11-113D19.1, IFB, IFF, IFNB, MGC96956, interferon beta, IFN-beta, fibroblast interferon		
<b>Contents:</b>	15 µg/vial (10 <sup>6</sup> units/vial)		
<b>Production:</b>	By Chinese hamster ovary (CHO) cells transformed with the chromosomal gene encoding rat IFN-β. The interferon is differentially glycosylated.		
<b>Gene ID:</b>	24481		
<b>Purity:</b>	> 90% pure		
<b>Specificity:</b>	Shows 10% bioactivity on human (HEp-2) and 20% on mouse (L-929) cells as compared to the homologous combination.		
<b>Sterility:</b>	Membrane filtered (0.2 µm).		
<b>Quantitation:</b>	Protein concentration was deduced from the biological activity in an antiviral bioassay.		
<b>Specific Activity:</b>	≥ 6x10 <sup>7</sup> units/mg protein.		
<b>Endotoxin:</b>	< 1 EU/vial		
<b>Buffer:</b>	Prior to lyophilization: 0.5 ml PBS + 125 mM trehalose.		
<b>Purification:</b>	Dye-affinity and gel-exclusion chromatography.		
<b>Reconstitution:</b>	Dissolve the contents of the vial by injection of 0.5 ml sterile distilled water.		
<b>Packaging:</b>	Lyophilized and vacuum-packed.		
<b>Unit:</b>	One unit is defined as the amount of interferon that inhibits 50% of the cytopathic effect of Vesicular stomatitis virus in monolayer cultures of Rat1 cells grown in the wells of a 96-well microtiter plate. The unit is subsequently corrected by reference to a laboratory standard preparation.		
<b>Storage &amp; Stability:</b>	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.		

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.



Cell Sciences®  
480 Neponset Street  
Bldg 12A  
Canton, MA 02021

Toll Free: 888-769-1246  
Phone: 781-828-0610  
Fax: 781-828-0542

E-mail: [info@cellsciences.com](mailto:info@cellsciences.com)  
Website: [www.cellsciences.com](http://www.cellsciences.com)