

IFNB1

Recombinant Rat IFN-beta

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| Catalog No. | CSI10905 | Quantity: | 150 µg |
| Alternate Names: | RP11-113D19.1, IFB, IFF, IFNB, MGC96956, interferon beta, IFN-beta, fibroblast interferon | | |
| Contents: | 150 µg/vial (10 ⁷ 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 R6 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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