



<b>Data sheet</b>	<b>Recombinant human IFN-gamma (IFN-<math>\gamma</math>)</b>
Cat. No.:	5CT280
Production:	By <i>E. coli</i>
Purification:	By monoclonal antibody and ion-exchange chromatography
Purity:	> 99%
Endotoxin:	< 1 EU/vial
Packaging:	Lyophilized and vacuum-packed.
Contents:	5 x 10 <sup>5</sup> units/vial (= 50 $\mu$ g/vial)
Buffer:	Prior to lyophilization: 0.5 ml PBS + 125 mM trehalose.
Specific activity:	10 <sup>7</sup> units/mg protein.
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 HEp-2 cells grown in the wells of a 96-well microtiter plate. The unit is subsequently corrected by reference to an international Human IFN- $\gamma$ standard preparation (Gg23-901-530).
Sterility:	Membrane filtered (0.2 $\mu$ m).
Reconstitution:	Dissolve the contents of the vial by injection of 500 $\mu$ l sterile distilled water.
Stability:	Lyophilized product is stable for minimal 1 year at < -20°C (expiry date indicated on vial). 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 6 hours at 4°C.
Quantitation:	Protein concentration was deduced from the biological activity in an antiviral bioassay.
References:	Gray, P.W. <i>et. al.</i> 1982. Nature 295: 503-508 Devos, R. <i>et. al.</i> 1982. Nucleic Acids Res.10: 2487-2501