

**Recombinant Human Interferon-gamma
(rhIFN- γ)
Catalog Number: 106-06**

Description	Interferon-gamma (IFN- γ) is a multifunctional cytokine which is secreted primarily by activated NK cells and T cells. IFN- γ exerts a wide range of immunoregulatory activities and is considered to be the prototype proinflammatory cytokine. Originally characterized based on anti-viral activities, IFN- γ also exerts anti-proliferative, immunoregulatory, and proinflammatory activities. IFN- γ can upregulate MHC class I and II antigen expression by antigen-presenting cells.
Synonyms	Interferon- γ , Immune interferon, Type II interferon, T cell interferon, Macrophage-activating factor (MAF),
AA Sequence	MQDPYVKEAE NLKKYFNAGH SDVADNGTLF LGILKNWKEE SDRKIMQSQI VSFYFKLTKN FKDDQSIQKS VETIKEDMNV KFFNSNKKKR DDFEKLTNYS VTDLNVQRKA IHELIQVMAE LSPAAGTGKR KRSQMLFRGR RASQ
Source	<i>Escherichia coli</i> .
Molecular Weight	Approximately 16.9 kDa, a single non-glycosylated polypeptide chain containing 144 amino acids.
Purity	>98% by SDS-PAGE and HPLC analyses.
Biological Activity	Fully biologically active. The specific activity determined by an anti-viral assay is no less than 2.0×10^7 IU/mg.
Physical Appearance	White lyophilized powder.
Formulation	Lyophilized from a 0.2 μ m filtered concentrated (1mg/ml) solution in PBS, pH 7.4.
Endotoxin	< 1EU/ μ g of rhIFN- γ as determined by LAL method.
Reconstitution	Reconstitute in sterile distilled water containing 0.1% BSA to a concentration of 0.1-1.0 mg/mL.
Storage	Store at -20°C after receiving. Upon reconstitution, store at 2-8°C for up to one week. For maximal stability, aliquot and store at -20°C. Avoid repeated freeze/ thaw cycles.
Usage	This product is for research use only. It is not approved for use in humans, animals, or <i>in vitro</i> diagnostic procedures.