

RECOMBINANT HUMAN INTERFERON- γ

CATALOG NUMBER:	IF002	LOT NUMBER:	
QUANTITY:	100 μ g		
SOURCE:	<i>E. coli</i>		
BACKGROUND:	Interferon- γ (IFN- γ) is a lymphoid factor which possesses potent anti-viral activity. It has also been shown to stimulate macrophages and NK cells. Human IFN- γ is a 16.7 kDa protein containing 143 amino acid residues.		
PURITY:	Greater than 98% by SDS-PAGE and HPLC analyses. Endotoxin level is less than 0.1 ng per μ g (1EU/ μ g) of IFN- γ .		
APPLICATIONS:	For most <i>in vitro</i> applications, IFN- γ exerts its biological activity in the concentration range of 0.1 to 10 ng/mL. Responding cells are (partial list): Lymphocytes.		
ACTIVITY:	Human IFN- γ is fully biologically active when compared to standards. The ED ₅₀ as determined in a viral resistance assay is \leq 0.05 ng/mL corresponding to a specific activity of $\geq 2 \times 10^7$ units/mg.		
PRESENTATION:	Sterile filtered, lyophilized from 1 x PBS.		
STORAGE/HANDLING:	The lyophilized IFN- γ , though stable at room temperature, is best stored desiccated at -20°C. After a quick spin, reconstitute in 1x PBS, pH 8.0 to a concentration of \leq 0.5-1.0 mg/mL. Note: Further dilutions should be made into RPMI + 10% FCS or 5% HSA and stored at 4°C for 1 week or -20°C for future use. Reconstituted material should be stored in undiluted aliquots at -20°C for up to six months.		

Important Note: *During shipment, small volumes of product will occasionally become entrapped in the seal of the product vial. For products with volumes of 200 μ L or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container's cap.*

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