

Ifng

Recombinant Mouse Interferon-gamma

Catalog No.	CRI001A CRI001B CRI001C	Quantity:	20 µg 100 µg 1.0 mg
Alternate Names:	IFN-g, IFN-gamma, IFG, Type II Interferon, T Cell Interferon, Immune Interferon		
Description:	Interferon-gamma (IFN-γ) is a cytokine produced primarily by T-lymphocytes and natural killer cells following antigen-specific activation. IFN-γ binds IFN-γ receptors (IFN-γ R1 and IFN-γ R2), which are expressed on most immune cells, to activate the JAK-STAT pathway. IFN-γ-induced signaling increases the expression of class 1 major histocompatibility complex (MHC) molecules. Mouse IFN-γ is not cross-reactive with human IFN-γ.		
Gene ID:	15978		
Protein Accession No.:	P01580		
Source:	<i>E. coli</i>		
Molecular Weight:	Monomer, 15.7 kDa (134 aa)		
Formulation:	Lyophilized from sterile filtered aqueous solution containing 5 mM sodium phosphate, 100 mM sodium chloride, pH 7.5.		
Purity:	> 95 % by reducing and non-reducing SDS-PAGE		
Endotoxin Level:	< 0.05 EU/µg		
Biological Activity:	The protein has full biological activity compared to the standard. The activity, determined by a CPE assay using EMC virus on L929 cells		
Specific Activity:	4.3 x 10 ⁷ U/mg.		
Amino Acid Sequence:	MHGTVIESLE SLNNYFNSSG IDVEEKSLFL DIWRNWQKDG DMKILQSQII SFYLRLEFEVL KDNQAISNNI SVIESHLITT FFSNSKAKKD AFMSIAKFEV NNPQVQRQAF NELIRVVHQL LPESLRKRK RSRC		
Reconstitution:	Centrifuge vial prior to opening. Add sterile distilled water to a concentration of 0.1 mg/mL and gently pipet the solution up and down the sides of the vial. DO NOT VORTEX. Allow several minutes for reconstitution. A small amount of precipitate may be seen.		
Storage & Stability:	Upon receipt, store desiccated at -20 °C for up to 1 year. Upon reconstitution, the preparation is stable for one month at 2-4 °C. For long term storage reconstitute in working aliquots containing 0.1% BSA and store at -80 °C. Avoid repeated freeze-thaw cycles.		

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