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32-12111: Human Interferon-gamma

Gene :	IFNG
Gene ID :	3458
Uniprot ID :	P01579
Alternative Name :	Type II interferon, T cell interferon, Immune Interferon, MAFÂ

Description

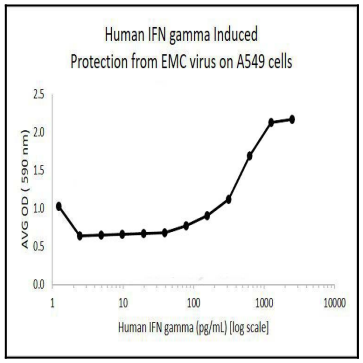
Source: Genetically modified E.coli.
Predicted MW:Â Monomer, 16.9 kDa (144 aa)
Interferon gamma (IFN-gamma) is a type II interferon that is critical during adaptive and innate immune responses to infection. IFN-gamma is produced by T cells and natural killer cells following antigen-specific activation. IFN-gamma binds IFN-gamma receptors (IFN-gamma R1 and IFN-gamma R2), which are expressed on most immune cells, to activate the JAK-STAT pathway. IFN-gamma -induced signaling increases the expression of class 1 major histocompatibility complex (MHC) molecules. Human IFN-gamma is not cross-reactive with mouse IFN-gamma .

Product Info

Amount :	100 µg / 250 µg
Purification :	Reducing and Non-Reducing SDS PAGE at >= 95%
Content :	Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 10 mM sodium phosphate, 50 mM sodium chloride, pH 7.5 Sterile water at 0.1 mg/mL
Storage condition :	Store at -20°C
Amino Acid :	MQDPYVKEAE NLKKYFNAGH SDVADNGTLF LGILKNWKEE SDRKIMQSQI VSFYFKLFKN FKDDQSIQKS VETIKEDMNV KFFNSNKKKR DDFEKLTNYS VTDLNVQRKA IHELIQVMAE LSPAAKTGKR KRSQMLFQGR RASQ

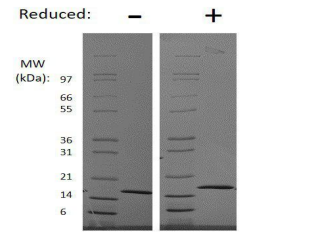
Application Note

Endotoxin: Less than 0.1 ng/ÃÂµg (1 IEU/ÃÂµg) as determined by LAL test.
Biological Activity was determined by Viral CPE assay using EMC virus on A549 cells at <= NA; >= 1.0 x 10^7 units/mg .
Centrifuge vial before opening, Suspend the product by gently pipetting the above recommended solution down the sides of the vial. DO NOT VORTEX. Allow several minutes for complete reconstitution. For prolonged storage, dilute to working aliquots in a 0.1% BSA solution, store at -80ÃÂ°C and avoid repeat freeze thaws. Upon reconstitution, a small amount of visible precipitate can be expected. A 10% overfill has been added to the total material vialed to compensate for this loss.



For Research Use Only. Not for use in diagnostic/therapeutics procedures.

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Human IFN-gamma Gel
1 ug of protein was run under (-) reducing conditions in a 4-20% Tris-Glycine gel, stained with Coomassie Blue. Human IFN-gamma is predicted to have MW of 16.9 kDa.

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