Active Recombinant Mouse Ifng Protein (His23-Cys155), C-His tagged, Animal-free, Carrier-free

Cat. No. Ifng-42M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Ifng Protein (His23-Cys155) with C-His tag was expressed in E. coli and Animal-free as well as Carrier-free.
Species	Mouse
Source	E.coli
ProteinLength	His23-Cys155
Description	The cytokine IFN gamma could protect cells from viral infections and belongs to the family of interferons. A lot of studies have shown that IFN gamma secreted by antigen triggered cell types, including T cells, naive CD4+ T cells, macrophages, dendritic cells, and B cells. IFN gamma plays an important role to trigger the macrophage act against a diverse group of microbial targets, and the pleiotropic molecule associated with antiproliferative, pro-apoptotic and antitumor mechanisms. Based on the effector cytokine considered as a major effector of immunity, it has been used in the treatment of several diseases.
Form	Lyophilized
Bio-activity	Measure by its ability to anti-viral assay in L-929 cells infected with encephalomyocarditis (EMC) virus. The ED50 for this effect is < 0.5 ng/mL. The specific activity of recombinant mouse IFN gamma is approximately >2 × 10^6 IU/mg.

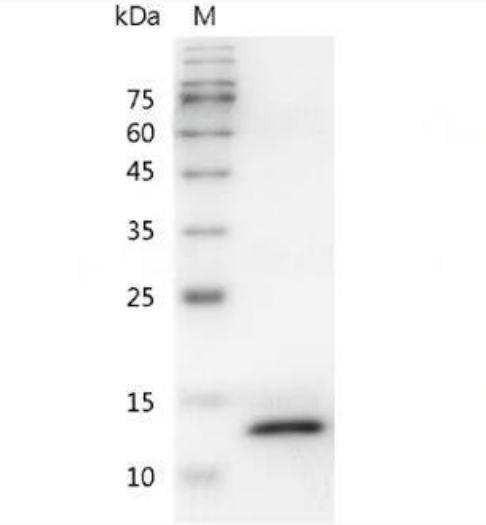
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Molecular Mass	The protein has a calculated MW of 16.5 kDa. The protein migrates as 16 kDa under reducing condition (SDS-PAGE analysis).
Endotoxin	< 0.01 EU/μg of the protein by the LAL method.
Purity	>98% as determined by SDS-PAGE analysis.
Storage	This product is stable after storage at: -20 centigrade for 12 months in lyophilized state from date of receipt. -20 or -80 centigrade for 1 month under sterile conditions after reconstitution. Avoid repeated freeze/thaw cycles.
Storage Buffer	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H2O to a concentration not less than 200 μg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at -20 centigrade or lower for long term storage.

GENE INFORMATION

Gene Name	Ifng interferon gamma [Mus musculus (house mouse)]
Official Symbol	Ifng
Synonyms	IFNG; interferon gamma; IFN-gamma; gamma interferon; Ifg; IFN-g;
Gene ID	15978

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mRNA Refseq	NM_008337
Protein Refseq	NP_032363
UniProt ID	P01580
SDS-PAGE analysis of recombinant mouse IFN gamma.	

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