

Active Recombinant Mouse Ifng Protein, His-Tagged

Cat. No. Ifng-01M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse Ifng Protein, His-tagged was expressed in E. coli cell
Species	Mouse
Source	E.coli
Description	Interferon- γ is a effective multifunctional cytokine which is released mainly by activated NK cells and T cells. IFN- γ is primarily characterized based on its anti-viral activities, and then been proved to have several functions such as anti-proliferative, immune-regulatory, and pro-inflammatory activities. IFN- γ can upregulate expression of MHC class I and II antigen by antigen-presenting cells.
Form	Lyophilized powder
AA Sequence	MHGTVIESLESNNYFNSSGIDVEEKSLFLDIWRNWQKDGMKILQSQIISFYLRRLF VLKDNQAISNNISVIESHLITTFNSKAKKDAFMSIA KFEVNNPQVQRQAFNELIRVVHQLLPESSLRKRKRSRC with polyhistidine tag at the C-terminus
Endotoxin	<0.01 EU per 1 μ g of the protein by the LAL method.
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 $>2 \times 10^6$ IU/mg.

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Purity	>98% as determined by SDS-PAGE. Ni-NTA chromatography
Storage Buffer	The protein was lyophilized from a solution containing 1X PBS, pH 7.4.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H ₂ O to a concentration not less than 100 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Storage	Lyophilized protein should be stored at -20°C. Upon reconstitution, protein aliquots should be stored at -20°C or -80°C.
Notes	Please use within one month after protein reconstitution.

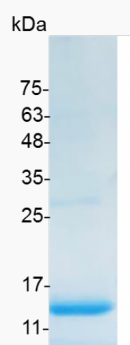
GENE INFORMATION

Gene Name	Ifng interferon gamma [Mus musculus (house mouse)]
Official Symbol	Ifng
Synonyms	Ifg; If2f; IFN-g
Gene ID	15978
mRNA Refseq	NM_008337.4
Protein Refseq	NP_032363.1
UniProt ID	P01580

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