

Active Recombinant Mouse IFNG Protein, His-tagged

Cat. No. IFNG-893M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant mouse IFNG (P01580) (Met 1-Cys 155) was expressed, fused with a polyhistidine tag at the C-terminus.
Species	Mouse
Source	HEK293
ProteinLength	1-155 a.a.
Predicted N Terminal	His 23
Form	Lyophilized from sterile PBS, pH 7.4, 5%~8% trehalose and mannitol.
Bio-activity	1. Measured in antiviral assays using L929 cells infected with vesicular stomatitisvirus (VSV). The ED50 for this effect is typically 0.2-1 ng/mL. 2. Measured by its binding ability in a functional ELISA. Immobilized mouse IFNG-His at 10 µg/ml (100 µl/wel
Molecular Mass	The recombinant mouse IFNG comprises 144 amino acids and has a calculated molecular mass of 17 kDa. As a result of glycosylation, the apparent molecular mass of rn IFNG is approximately 21 kDa in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	>75 % as determined by SDS-PAGE.

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Stability	Samples are stable for up to twelve months from date of receipt at -70°C.
Storage	Store it under sterile conditions at -20°C~-70°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.
GENE INFORMATION	
Gene Name	Ifng interferon gamma [Mus musculus]
Official Symbol	IFNG
Synonyms	IFNG; interferon gamma; IFN-gamma; gamma interferon; Ifg; IFN-g;
Gene ID	15978
mRNA Refseq	NM_008337
Protein Refseq	NP_032363
MIM	
UniProt ID	
Pathway	African trypanosomiasis, organism-specific biosystem; African trypanosomiasis, conserved biosystem; Allograft rejection, organism-specific biosystem; Allograft rejection, conserved biosystem; Amoebiasis, organism-specific biosystem; Amoebiasis, conserved
Function	cytokine activity; interferon-gamma receptor binding;

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