

## Active Recombinant Mouse IFNG Protein, His-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant mouse IFNG (P01580) (Met 1-Cys 155) was expressed, fused with a polyhistidine tag at the C-terminus.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>ProteinLength</b>	1-155 a.a.
<b>Predicted N Terminal</b>	His 23
<b>Form</b>	Lyophilized from sterile PBS, pH 7.4, 5%~8% trehalose and mannitol.
<b>Bio-activity</b>	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
<b>Molecular Mass</b>	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.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Purity</b>	>75 % as determined by SDS-PAGE.

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<b>Stability</b>	Samples are stable for up to twelve months from date of receipt at -70°C.
<b>Storage</b>	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.
<b>Reconstitution</b>	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.
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	<a href="#">Ifng interferon gamma [ Mus musculus ]</a>
<b>Official Symbol</b>	<a href="#">IFNG</a>
<b>Synonyms</b>	IFNG; interferon gamma; IFN-gamma; gamma interferon; Ifg; IFN-g;
<b>Gene ID</b>	<a href="#">15978</a>
<b>mRNA Refseq</b>	<a href="#">NM_008337</a>
<b>Protein Refseq</b>	<a href="#">NP_032363</a>
<b>MIM</b>	
<b>UniProt ID</b>	
<b>Pathway</b>	African trypanosomiasis, organism-specific biosystem; African trypanosomiasis, conserved biosystem; Allograft rejection, organism-specific biosystem; Allograft rejection, conserved biosystem; Amoebiasis, organism-specific biosystem; Amoebiasis, conserved
<b>Function</b>	cytokine activity; interferon-gamma receptor binding;

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