

Recombinant Mouse Ifng protein(Met1-Cys155), hFc-tagged

Cat. No. Ifng-119M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse IFNG (P01580) (Met 1-Cys 155) was expressed in HEK293, fused with the Fc region of Human IgG1 at the C-terminus.
Species	Mouse
Source	HEK293
ProteinLength	1-155 a.a.
Form	Lyophilized from sterile 50mM Tris, 100mM NaCl, 0.02% Tween80, pH8.0. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	1. Measured in antiviral assays using L929 cells infected with vesicular stomatitisvirus (VSV). The ED50 for this effect is 2.5-15 ng/mL. 2. Measured by its ability to bind with recombinant mouse IFNGR1-His in a functional ELISA.
Molecular Mass	The secreted recombinant mouse IFNG/Fc is a disulfide-linked homodimer. The reduced monomer comprises 374 amino acids and has a calculated molecular mass of 42.5 kDa. As a result of glycosylation, the apparent molecular mass of the monomer is approximately 55 kDa in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	> 92 % as determined by SDS-PAGE

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Storage

Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°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 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION**Gene Name**

lfng interferon gamma [*Mus musculus*]

Official Symbol

lfng

Synonyms

IFNG; interferon gamma; IFN-gamma; gamma interferon; Ifg; IFN-g;

Gene ID

15978

mRNA Refseq

NM_008337

Protein Refseq

NP_032363

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