

Active Recombinant Mouse Ifng protein

Cat. No. Ifng-510M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Ifng protein(NP_032363.1)(Met1-Cys155) was expressed in HEK293.
Species	Mouse
Source	HEK293
ProteinLength	Met1-Cys155
Form	Lyophilized from sterile PBS, pH 7.4. Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	1. Measured by its binding ability in a functional ELISA. Immobilized Mouse Interferon Gamma at 2 µg/ml (100 µl/well) can bind Mouse IFNGR1 hFc, the EC50 of Mouse IFNGR1 hFc is 7.0-30.0 ng/mL. 2. Measured in antiviral assays using L929 cells infected with vesicular stomatitis virus (VSV). The ED50 for this effect is 0.05-0.3 ng/mL.
Molecular Mass	The recombinant mouse IFNG consists of 133 amino acids and predicts a molecular mass of 15.5 kDa. As a result of different glycosylation, it migrates as approximately 19.6 and 15.4 kDa band in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method

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Purity	> 85 % as determined by SDS-PAGE
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	<i>lfng</i> interferon gamma [<i>Mus musculus</i>]
Official Symbol	<i>lfng</i>
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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