

## Active Recombinant Mouse Ifng protein

Cat. No. Ifng-10M Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Active Recombinant Mouse Ifng protein(P01580)(23-155 aa) was expressed in E. coli.
<b>Species</b>	Mouse
<b>Source</b>	E. coli
<b>ProteinLength</b>	23-155 aa
<b>Form</b>	Lyophilized from a 0.2 g filtered solution in 20 mM Tris-HCl pH8.0, 300 mM NaCl, containing 5 % trehalose, 0.05 % Tween-20.
<b>Bio-activity</b>	Fully biologically active when compared to standard. The ED50 as determined by an anti-viral assay using murine L929 cells infected with encephalomyocarditis (EMC) virus is less than 0.8 ng/ml, corresponding to a specific activity of > 1.3 × 10 <sup>6</sup> IU/mg.
<b>Molecular Mass</b>	Approximately 15.5 kDa, a single non-glycosylated polypeptide chain containing 133 amino acids.
<b>AASequence</b>	HGTVIESLES LNNYFNSSGI DVEEKSLFLD IWRNWQKDGD MKILQSQIIS FYLRLEVLK DNQAISNNIS VIESHLITTF FSNSKAKKDA FMSIAKFEVN NPQVQRQAFN ELIRVVHQLL PESSLRKRKR SRC
<b>Endotoxin</b>	Less than 1 EU/g of rMuIFN-γ as determined by LAL method.

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<b>Purity</b>	> 96 % by SDS-PAGE and HPLC analyses.
<b>Storage</b>	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. - 12 months from date of receipt, -20 to -70 °C as supplied. - 1 month, 2 to 8 °C under sterile conditions after reconstitution. - 3 months, -20 to -70 °C under sterile conditions after reconstitution.
<b>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤ -20 °C. Further dilutions should be made in appropriate buffered solutions.

## GENE INFORMATION

<b>Gene Name</b>	<i>lfng</i> interferon gamma [ <i>Mus musculus</i> ]
<b>Official Symbol</b>	<i>lfng</i>
<b>Synonyms</b>	IFNG; interferon gamma; IFN-gamma; gamma interferon; lfg; IFN-g;
<b>Gene ID</b>	15978
<b>mRNA Refseq</b>	NM_008337
<b>Protein Refseq</b>	NP_032363

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