

Active Recombinant Mouse Ifng protein

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

SPECIFICATION

Product Overview	Active Recombinant Mouse Ifng protein(P01580)(23-155 aa) was expressed in E. coli.
Species	Mouse
Source	E. coli
ProteinLength	23-155 aa
Form	Lyophilized from a 0.2 µ filtered solution in 20 mM Tris-HCl pH8.0, 300 mM NaCl, containing 5 % trehalose, 0.05 % Tween-20.
Bio-activity	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 $> 1.3 \times 10^6$ IU/mg.
Molecular Mass	Approximately 15.5 kDa, a single non-glycosylated polypeptide chain containing 133 amino acids.
AASequence	HGTVIESLES LNNYFNSSGI DVEEKSLFLD IWRNWQKDGD MKILQSQIIS FYLRLEFEVLK DNQAISNNIS VIESHLITTF FSNSKAKKDA FMSIAKFEVN NPQVQRQAFN ELIRVVHQLL PESSLRKRKR SRC
Endotoxin	Less than 1 EU/g of rMuIFN-γ as determined by LAL method.

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Purity	> 96 % by SDS-PAGE and HPLC analyses.
Storage	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.
Reconstitution	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

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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