

Recombinant Mouse Ifng protein, His-tagged

Cat. No. Ifng-488M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Ifng (P01580) aa. (His23~Cys155) fused with His tag was produced in HEK293F cells.
Species	Mouse
Source	HEK293
ProteinLength	His23~Cys155
Description	This gene encodes a soluble cytokine that is a member of the type II interferon class. The encoded protein is secreted by cells of both the innate and adaptive immune systems. The active protein is a homodimer that binds to the interferon gamma receptor which triggers a cellular response to viral and microbial infections. Mice deficient in this gene have increased susceptibility to viral, bacterial and parasitic infections and to several autoimmune diseases.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 17.1kDa; Accurate Molecular Mass: 17/19kDa as determined by SDS-PAGE reducing conditions.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	> 95%

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Characteristic	Isoelectric point is 9.1.
Applications	SDS-PAGE; WB; ELISA; IP; CoIP; EMSA; Reporter Assays; Purification; Amine Reactive Labeling
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Concentration	200ug/mL
Storage buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex

GENE INFORMATION

Gene Name	<i>lfng</i> interferon gamma [<i>Mus musculus</i> (house mouse)]
Official Symbol	<i>lfng</i>
Synonyms	lfng; interferon gamma; lfg; IFN-g; IFN-gamma; gamma interferon
Gene ID	15978

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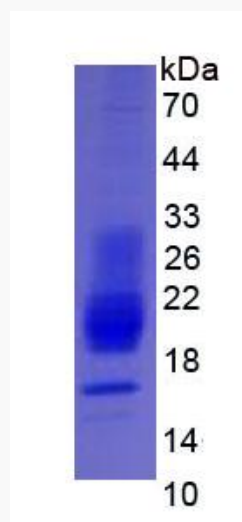
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mRNA Refseq [NM_008337.4](#)

Protein Refseq [NP_032363.1](#)

UniProt ID [P01580](#)

SDS-PAGE



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