

## Recombinant Mouse Ifng protein, His-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse Ifng (P01580) aa. (His23~Cys155) fused with His tag was produced in HEK293F cells.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>ProteinLength</b>	His23~Cys155
<b>Description</b>	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.
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	Predicted Molecular Mass: 17.1kDa; Accurate Molecular Mass: 17/19kDa as determined by SDS-PAGE reducing conditions.
<b>Endotoxin</b>	<1.0EU per 1ug (determined by the LAL method)
<b>Purity</b>	> 95%

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<b>Characteristic</b>	Isoelectric point is 9.1.
<b>Applications</b>	SDS-PAGE; WB; ELISA; IP; CoIP; EMSA; Reporter Assays; Purification; Amine Reactive Labeling
<b>Stability</b>	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.
<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
<b>Concentration</b>	200ug/mL
<b>Storage buffer</b>	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 5% Trehalose and Proclin300.
<b>Reconstitution</b>	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">Ifng interferon gamma [ Mus musculus (house mouse) ]</a>
<b>Official Symbol</b>	<a href="#">Ifng</a>
<b>Synonyms</b>	Ifng; interferon gamma; Ifg; IFN-g; IFN-gamma; gamma interferon
<b>Gene ID</b>	<a href="#">15978</a>

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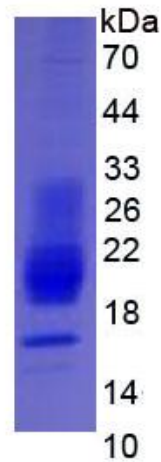
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mRNA Refseq [NM\\_008337.4](#)

Protein Refseq [NP\\_032363.1](#)

UniProt ID [P01580](#)

SDS-PAGE



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