



## Rat IFNG peptide (DAG336)

This product is for research use only and is not intended for diagnostic use.

### PRODUCT INFORMATION

<b>Product Overview</b>	Recombinant RatIFN-gamma is a single non-glycosylated polypeptide chain containing 135 aminoacids and having a molecular weight of 15,609Da. The sequence of the firstfive N-terminal amino acids was determined to be Met-Gln-Gly-Tyr-Leu.Contains less than 1
<b>Antigen Description</b>	Interferon-gamma(IFN-γ) is a dimerized soluble cytokine that is the only member of the typell class of interferons. This interferon was originally calledmacrophage-activating factor, a term now used to describe a larger family ofproteins to which IFN-γ belongs. In humans, the IFN-γ protein is encoded bythe IFNG gene.
<b>Species</b>	Rat
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	Specific activity asdetermined by the cytopathic affect inhibition assay with mouse NIH 3T3 cellschallenged with EMC virus was and lt;0.1ng/ml, corresponding to a specificactivity of 1 x 107 Units/mg. Each laboratory should determine ano optimum working tit
<b>Format</b>	Purified, Lyophilized; Reconstitute using sterile deionized water to a concentration 100μ g/ml.Further dilutions can be made in other aqueou buffers.
<b>Concentration</b>	Not applicable
<b>Buffer</b>	Lyophilized from 0.5X PBS, pH 7.2
<b>Preservative</b>	None
<b>Storage</b>	2-8°C short term, -20°C long term

### BACKGROUND

**Introduction** Produced by lymphocytes activated by specific antigens or mitogens. IFN-gamma, in addition to

having antiviral activity, has important immunoregulatory functions. It is a potent activator of macrophages, it has antiproliferative effects on transformed cells and it can potentiate the antiviral and antitumor effects of the type I interferons.

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**Keywords**

IFG; IFI; IFNG; IFN Gamma; IFN Immune; IFN-gamma; Immune Interferon; Interferon gamma; Interferon Gamma Precursor; Macrophage Activating Factor; MAF; T Cell Interferon; Type II Interferon

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## GENE INFORMATION

**Entrez Gene ID**

[3458](#)

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**UniProt ID**

[P01579](#)

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