



# Human IFNG peptide (DAG326)

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

## PRODUCT INFORMATION

<b>Product Overview</b>	Recombinant Human Interferon-gamma is a single, non-glycosylated, polypeptide chain containing 144 amino acids and having a molecular mass of 16,879 Dalton. The sequence of the first five N-terminal amino acids was determined and was found to be Met-Gln-Asp-P
<b>Antigen Description</b>	Interferon-gamma (IFN-γ) is a dimerized soluble cytokine that is the only member of the type II class of interferons. This interferon was originally called macrophage-activating factor, a term now used to describe a larger family of proteins to which IFN-γ belongs. In humans, the IFN-γ protein is encoded by the IFNG gene.
<b>Species</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	Specific activity as determined in a viral resistance assay is and is 0.05 ng/ml, corresponding to a specific activity of 2 x 10 <sup>7</sup> IU/mg. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been determined.
<b>Format</b>	Purified, Lyophilized; Reconstitute using sterile deionized water to a concentration of 100 μg/ml. Further dilutions can be made in other aqueous buffers.
<b>Concentration</b>	1 mg/ml (prior to lyophilization) (OD <sub>280nm</sub> , E <sub>0.1%</sub> = 0.64)
<b>Buffer</b>	Lyophilized from 10mM Sodium phosphate buffer, pH 7.4 ± 0.1
<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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<b>Keywords</b>	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

<b>Entrez Gene ID</b>	<a href="#">3458</a>
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<b>UniProt ID</b>	<a href="#">P01579</a>
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