

## Recombinant Human IFN-gamma Protein, His tag

### 产品信息

产品名称	产品编号	规格
Recombinant Human IFN-gamma Protein, His tag	91204ES10	10 µg
	91204ES60	100 µg
	91204ES76	500 µg

### 产品简介

IFN-gama is the only member of the type II interferon family, which is mainly secreted by natural killer T cells, CD4 cells and CD8 cells. IFN-γ has antiviral activity and can directly inhibit viral replication. In addition, IFN-γ can also act as a strong activator of macrophages and participate in immune regulation. Abnormal expression of IFN-γ can lead to some autoimmune and inflammatory diseases.

### 性能参数

<b>Synonyms</b>	IFNG;IFN-r
<b>Uniprot No.</b>	P01579
<b>Source</b>	Recombinant Human IFN-γ Protein is expressed from HEK293 Cells with His tag at the C-terminal. It contains Ala117-Ser269.
<b>Molecular Weight</b>	The protein has a predicted MW of 17.86 kDa. And it migrates as 25-33 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
<b>Purity</b>	> 95% as determined by SDS-PAGE.
<b>Endotoxin</b>	<0.01 EU per 1µg of the protein by the LAL method.
<b>Formulation</b>	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4).
<b>Reconstitution</b>	Centrifuge tubes before opening. The concentration of protein solution used for lyophilization is generally 1mg/mL. Dissolve lyophilized protein with sterile water to ensure the concentration is greater than 100 ug/mL.

### 储存条件

The product should be stored at -25~-15°C for 1 year from date of receipt.

2-7 days, 2~8 °C under sterile conditions after reconstitution.

3 months, -25~-15°C under sterile conditions after reconstitution.

Recommend to aliquot the protein into smaller quantities when first used and avoid repeated freeze-thaw cycles.

### 注意事项

1. Please operate with lab coats and disposable gloves, for your safety.
2. This product is for research use only.

## 产品数据

SDS-PAGE

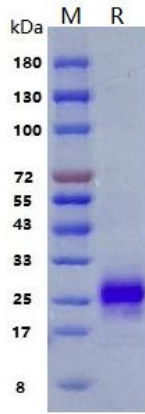


Figure 1. Human IFN-gamma on SDS-PAGE under reduced condition. The purity is greater than 95%.

Bioactivity-Cell based assay

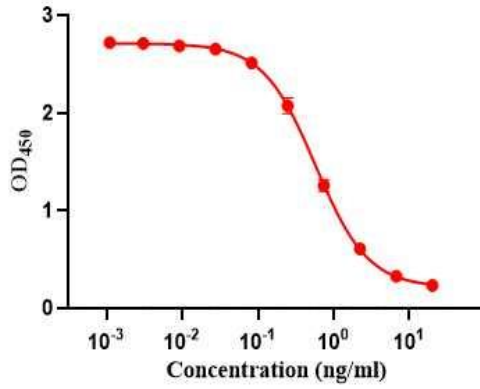


Figure 2. The ED<sub>50</sub> as determined by a cytotoxicity assay using human HT-29 cells is 0.54-0.60 ng/mL, corresponding to a specific activity of > 1.6 × 10<sup>6</sup> IU/mg.