

## Recombinant Human IL-4 Protein, His tag

### 产品信息

产品名称	产品编号	规格
Recombinant Human IL-4 Protein, His tag	90197ES10	10 µg
	90197ES60	100 µg
	90197ES76	500 µg

### 产品简介

IL-4 is a protein that regulates the immune response by promoting the growth and differentiation of B cells. It also plays a role in the development of allergic reactions and asthma. IL-4 is produced by a variety of cells, including T cells and mast cells.

### 性能参数

<b>Synonyms</b>	Interleukin-4, IL-4, BSF-1, BCDF, IL4E12, PitraKinra
<b>Uniprot No.</b>	P05112
<b>Source</b>	Human IL-4 Protein is expressed from HEK293 Cells with His tag at the C-terminal. It contains His25-Ser153.
<b>Molecular Weight</b>	The protein has a predicted MW of 16.05 kDa. And it migrates as 20 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. Dissolve lyophilized protein with sterile PBS 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

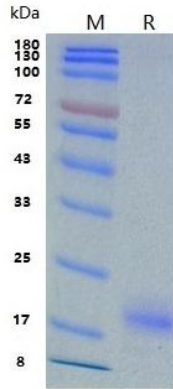


Figure 1. Human IL-4 on SDS-PAGE under reduced condition. The purity is greater than 95%.

Bioactivity-Cell based assay

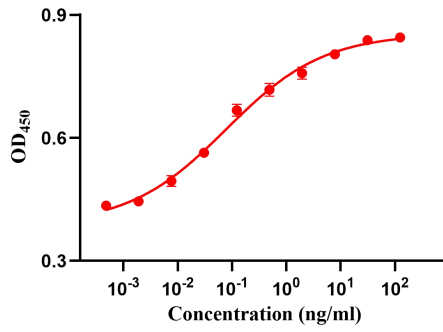


Figure 2. The ED<sub>50</sub> as determined by a cell proliferation assay using human TF-1 cells is less than 0.1 ng/mL, corresponding to a specific activity of  $>1 \times 10^7$  IU/mg.