

## Recombinant Human IL-10 Protein, His tag

### 产品信息

产品名称	产品编号	规格
Recombinant Human IL-10 Protein, His tag	90194ES10	10 µg
	90194ES60	100 µg
	90194ES76	500 µg

### 产品简介

IL-10 is an anti-inflammatory cytokine. IL-10 is produced primarily by monocytes, but also secreted by T cells, macrophages, mast cells, and other cell lines. IL-10 can inhibit the secretion of cytokines such as IFN- $\gamma$ , IL-2, IL-3, TNF and GM-CSF, which plays an important role in the fight against human transitional immunity. In addition, IL-10 may play a role in the clinical inhibition of organ transplantation rejection due to its immunosuppressive properties.

### 性能参数

<b>Synonyms</b>	CSIF;IL10
<b>Uniprot No.</b>	P05231
<b>Source</b>	Recombinant Human IL-10 Protein is expressed from HEK293 Cells with His tag at the C-terminal. It contains Ser19-Asn178.
<b>Molecular Weight</b>	The protein has a predicted MW of 19.79 kDa.
<b>Purity</b>	> 95% as determined by SDS-PAGE.
<b>Endotoxin</b>	<0.1 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

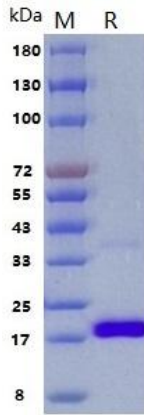


Figure 1. Human IL-10 on SDS-PAGE under reduced condition. The purity is greater than 95%.

### Bioactivity-Cell based assay

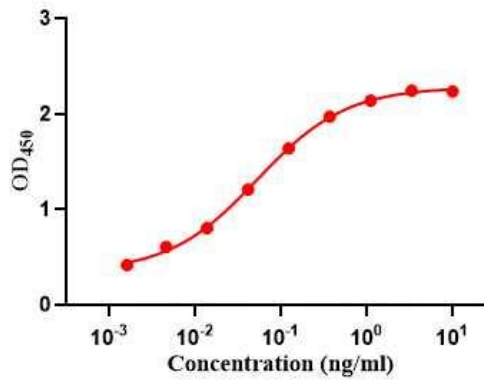


Figure 2. The ED<sub>50</sub> as determined by a cell proliferation assay using murine MC/9 cells is less than 0.1 ng/mL, corresponding to a specific activity of  $> 1.0 \times 10^7$  IU/mg.