

Recombinant Human IL-6 Protein, His tag

产品信息

产品名称	产品编号	规格
Recombinant Human IL-6 Protein, His tag	90196ES10	10 µg
	90196ES60	100 µg
	90196ES76	500 µg

产品简介

IL-6 is similar to other interleukins in that it has a compact globular folding structure and is held in place by two disulfide bonds. The cysteine involved in forming these two disulfide bonds is highly conserved. IL-6, expressed by a variety of cells, regulates cell growth and differentiation in various tissues and is an important pro-inflammatory and immunomodulatory cytokine.

性能参数

Synonyms	Interleukin-6,BSF2,HSF,IFNB2
Uniprot No.	P05231
Source	Recombinant Human IL-6 Protein is expressed from HEK293 Cells with His tag at the C-terminal. It contains Val30-Met212.
Molecular Weight	The protein has a predicted MW of 22.75 kDa. And it migrates as 25-30 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Purity	> 95% as determined by SDS-PAGE.
Endotoxin	<0.1 EU per 1µg of the protein by the LAL method.
Formulation	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4).
Concentration	1mg/ml.

储存条件

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

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.

SDS-PAGE

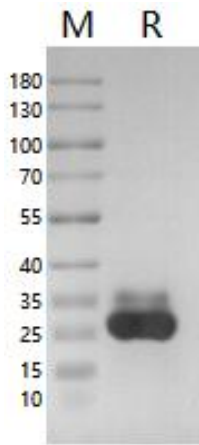


Figure 1. Human IL-6 on SDS-PAGE under reduced condition. The purity is greater than 95%.

Bioactivity-Cell based assay

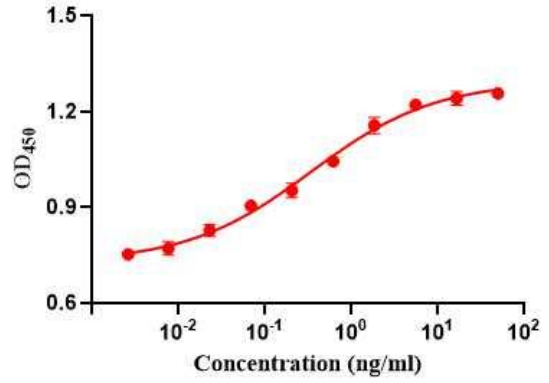


Figure 2. The ED₅₀ as determined by a cell proliferation assay using human TF-1 cells is 0.23-0.48 ng/mL, corresponding to a specific activity of > 2.0 × 10⁶ IU/mg.