

Recombinant Human IL-2 Protein, His Tag

产品信息

产品名称	产品编号	规格
Recombinant Human IL-2 Protein, His Tag	90103ES10	10 µg
	90103ES60	100 µg
	90103ES76	500 µg

产品简介

The human IL-2 protein, also known as interleukin-2, is an important cytokine that plays a vital role in regulating the immune system. It is produced by activated T cells and stimulates the proliferation and activation of various immune cells, such as T cells, B cells, and natural killer cells. IL-2 also promotes the development of immune memory and enhances the effectiveness of the immune response against infections and cancers. In addition, IL-2 has been used therapeutically in the treatment of certain diseases, such as cancer and autoimmune disorders, to boost the immune system.

性能参数

Synonyms	Interleukin-2; T-Cell Growth Factor; TCGF; Aldesleukin
Uniprot No.	P60568
Source	HEK293 cells-derived human IL-2 protein, Ala21-Thr153, with N-terminal his tag.
Molecular Weight	Approximately 17.35 kDa.
Purity	> 90% as determined by SDS-PAGE.
Biological Activity	Human IL-2R immobilized on CM5 chip can bind human IL-2, His tag, with an affinity constant of 3.84×10^{-7} M as determined in a SPR assay (Biacore 8K).
Endotoxin	< 1 EU per 1µg of the protein by the LAL method.
Formulation	Lyophilized from a 0.2 µm filtered concentrated solution in PBS.
Reconstitution	Centrifuge tubes before opening. Dissolve lyophilized protein with PBS. Recommend to aliquot the protein into smaller quantities when first used and avoid repeated freeze-thaw cycles.

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.

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

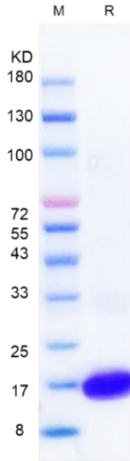


Figure 1. Human IL-2 on SDS-PAGE under reduced condition. The purity is greater than 90%.

SPR Data

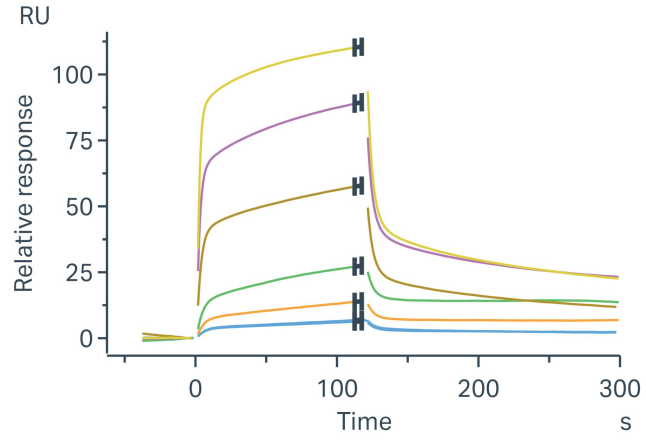


Figure 2. Human IL-2R immobilized on CM5 chip can bind human IL-2, His tag, with an affinity constant of 3.84×10^{-7} M as determined in a SPR assay (Biacore 8K).