

Recombinant Human IGF-1 Protein, Flag Tag

产品信息

产品名称	产品编号	规格
Recombinant Human IGF-1 Protein, Flag Tag	92201ES10	10 µg
	92201ES60	100 µg
	92201ES76	500 µg

产品简介

IGF-1, also known as insulin-like growth factor 1, is a protein that plays a crucial role in growth and development. It is produced mainly by the liver and other tissues in response to growth hormone secretion. IGF-1 is a vital protein in human physiology, contributing to growth, development, and maintenance of various tissues and metabolic processes.

性能参数

Synonyms	IGF-I, IGF1A, somatomedin C, MGF
Uniprot No.	P05019-1
Source	E.coli-derived human IGF-1 protein, Gly49-Ala118, with C-terminal Flag tag.
Molecular Weight	Approximately 8.6 kDa.
Purity	> 90% as determined by SDS-PAGE.
Biological Activity	The ED ₅₀ as determined by a cell proliferation assay using serum free human MCF-7 cells is less than 1 ng/mL, corresponding to a specific activity of > 1.0 × 10 ⁶ IU/mg. Fully biologically active when compared to standard.
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.

SDS-PAGE



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

Bioactivity-Cell based assay

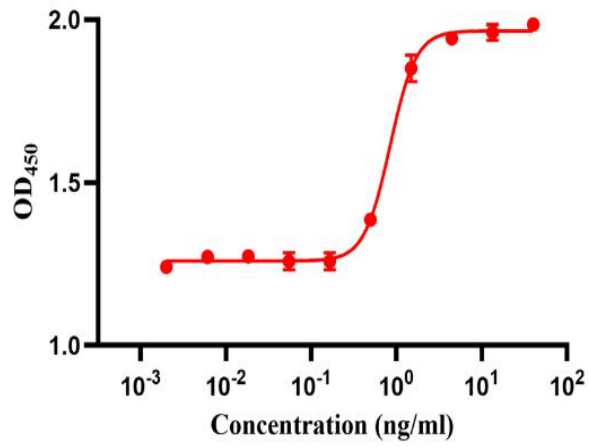


Figure 2. The ED₅₀ as determined by a cell proliferation assay using serum free human MCF-7 cells is less than 1 ng/mL, corresponding to a specific activity of $> 1.0 \times 10^6$ IU/mg. Fully biologically active when compared to standard.