

Recombinant Human IGF- I (Insulin-like growth factor- I)

编号: PY2202

规格: 100 µg
500 µg
1 mg
5 mg
10 mg

类别: 重组蛋白

应用: Functional Assay

产品简介

描述: Insulin -like growth factor 1 (IGF-1), also called somatomedin C, is a protein that in humans is encoded by the IGF1 gene. IGF-1 is a hormone similar in molecular structure to insulin. It plays an important role in childhood growth and continues to have anabolic effects in adults. A synthetic analog of IGF-1, mecasermin, is used for the treatment of growth failure.

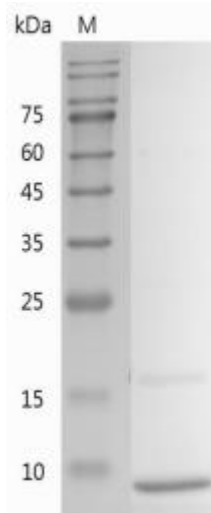
来源: *Escherichia coli*

纯度: >95% as determined by SDS-PAGE. Ni- NTA chromatography.

生物学活性: Measure by its ability to induce MCF-7 cells proliferation. The ED₅₀ for this effect is 0.9-3.1ng/mL. The specific activity of recombinant human IGF- I is approximately > 1.2 x 10³ IU/mg.

内毒素检测: <0.01 EU per 1 µg of the protein by the LAL method.

蛋白序列: MGPETLCGAELVDALQFVCGDRGFYF
NKPTGYGSSRRAPQTGIVDECCFRS
CDLRRLEMYCAPLKPAKSA with polyhistidine tag at the C-terminus



SDS- PAGE analysis of recombinant human IGF- I

产品组成

成分: 从含有 1X PBS, pH 7.4 溶液中冻干的蛋白质.

产品储存运输

产品形式	储存温度	储存时间
冻干粉	-20℃至-80℃	自收到之日起1年
重悬液（初始）	2℃至8℃	不超过1周
重悬液（经稀释）	-20℃至-80℃	3到6个月

运输方式：蓝冰

产品使用

- 1、开盖前，建议3000-3500rpm离心5min。
- 2、推荐使用无菌水重悬冻干粉，溶液浓度不低于100μg/mL，不高于1mg/mL，并室温静置至少20min以充分溶解。勿涡旋剧烈振荡。
- 3、重悬后的溶液，2-8℃无菌保存不超过1周。
- 4、如需长期保存，推荐使用无菌的含载体蛋白（如0.1%BSA、10% FBS 或5% HSA）的溶液进一步稀释（不低于10ug/mL）后分装保存，-20℃至-80℃无菌保存3到6个月。无血清实验需求时，可更换为5%海藻糖溶液作为载体。避免反复冻融。

WB = Western Blot; IP = Immunoprecipitation; IF = Immunofluorescence; IHC = Immunohistochemistry;
FACS = Fluorescence activated Cell Sorting; FA = Functional Assay