

Recombinant human IGF1 protein (Active) ab9573

5 References

描述

产品名称	重组人IGF1蛋白(Active)
生物活性	The ED₅₀ , as determined by a cell proliferation assay using FDC-P1 cells, is ≤ 2.0 ng/ml, corresponding to a specific activity of $\geq 5 \times 10^5$ units/mg.
纯度	> 98 % SDS-PAGE. >98% HPLC analyses.
内毒素水平	< 1.000 Eu/ μ g
表达系统	Escherichia coli
Accession	<u>P05019</u>
蛋白长度	Full length protein
无动物成分	No
性质	Recombinant
种属	Human
序列	GPETLCGAEL VDALQFVCGD RGFYFNKPTG YGSSSRRAPQ TGIVDECCFR SCDLRRLEMY CAPLKPAKSA
预测分子量	8 kDa
氨基酸	49 to 118

技术指标

Our **Abpromise guarantee** covers the use of **ab9573** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	HPLC
	Functional Studies
	SDS-PAGE
形式	Lyophilized

制备和贮存

稳定性和存储	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -
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80°C. Avoid freeze / thaw cycle.

This product is an active protein and may elicit a biological response in vivo, handle with caution.

复溶

Reconstitute with 100 ul of deionised water (or equivalent). Please note that if you receive this product in liquid form it has already been reconstituted as described and no further reconstitution is necessary.

常规信息

功能

The insulin-like growth factors, isolated from plasma, are structurally and functionally related to insulin but have a much higher growth-promoting activity. May be a physiological regulator of [1-14C]-2-deoxy-D-glucose (2DG) transport and glycogen synthesis in osteoblasts. Stimulates glucose transport in rat bone-derived osteoblastic (PyMS) cells and is effective at much lower concentrations than insulin, not only regarding glycogen and DNA synthesis but also with regard to enhancing glucose uptake.

疾病相关

Defects in IGF1 are the cause of insulin-like growth factor I deficiency (IGF1 deficiency) [MIM:608747]. IGF1 deficiency is an autosomal recessive disorder characterized by growth retardation, sensorineural deafness and mental retardation.

序列相似性

Belongs to the insulin family.

细胞定位

Secreted.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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