

Recombinant human IGF1 protein (Active) ab9573

5 References

製品の詳細

製品名	Recombinant human IGF1 protein (Active)
生理活性	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.
精製度	> 98 % SDS-PAGE. >98% HPLC analyses.
エンドトキシン・レベル	< 1.000 Eu/ μ g
発現系	Escherichia coli
アクセッション番号	<u>P05019</u>
タンパク質長	Full length protein
Animal free	No
由来	Recombinant
生物種	Human
配列	GPETLCGAEL VDALQFVCGD RGFYFNKPTG YGSSSRAPQ TGIVDECCFR SCDLRRLEMY CAPLKPAKSA
予測される分子量	8 kDa
領域	49 to 118

特性

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.

アプリケーション	HPLC
	Functional Studies
	SDS-PAGE
製品の状態	Lyophilized

前処理および保存

保存方法および安定性	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.

再構成

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.

関連情報

機能

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.

関連疾患

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.

配列類似性

Belongs to the insulin family.

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

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