abcam

Product datasheet

Recombinant Human Growth Hormone protein ab83992

製品の概要

製品名	Recombinant Human Growth Hormone protein
タンパク質長	Full length protein

製品の詳細

由来	Recombinant
由来	HEK 293 cells

アミノ酸配列

生物種	Human
配列	Theoretical Sequence: FPTIPLSRLFDNAMLRAHRLHQLAFDTYQEFEEAYIPKE QKYSFLQNPQTSLCFSESIPTPSN REETQQKSNLELLRISLLLIQSWL EPVQFLRSVFANSLVYGASDSNVYDLLKDLEEGIQTLMG RLEDGSPRT GQIFKQTYSKFDTNSHNDDALLKNYGLLYCFRKDMDKVETFLRIVQCRSV EGS CGF

特性

Our Abpromise guarantee covers the use of **ab83992** 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	SDS-PAGE
精製度	> 95 % SDS-PAGE.
製品の状態	Lyophilised

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. Preservative: None Constituents: 10% Trehalose, 1% Human serum albumin

再構成	It is recommended that 0.5 ml of sterile phosphate-buffered saline be added to the vial. Following reconstitution short-term storage at 4°C is recommended, and longer-term storage of aliquots at -18 to -20°C. Repeated freeze thawing is not recommended.

関連情報

機能	Plays an important role in growth control. Its major role in stimulating body growth is to stimulate the liver and other tissues to secrete IGF-1. It stimulates both the differentiation and proliferation of myoblasts. It also stimulates amino acid uptake and protein synthesis in muscle and other tissues.
関連疾患	Defects in GH1 are a cause of growth hormone deficiency isolated type 1A (IGHD1A) [MIM:262400]; also known as pituitary dwarfism I. IGHD1A is an autosomal recessive deficiency of GH which causes short stature. IGHD1A patients have an absence of GH with severe dwarfism and often develop anti-GH antibodies when given exogenous GH. Defects in GH1 are a cause of growth hormone deficiency isolated type 1B (IGHD1B) [MIM:612781]; also known as dwarfism of Sindh. IGHD1B is an autosomal recessive deficiency of GH which causes short stature. IGHD1B patients have low but detectable levels of GH. Dwarfism is less severe than in IGHD1A and patients usually respond well to exogenous GH. Defects in GH1 are the cause of Kowarski syndrome (KWKS) [MIM:262650]; also known as pituitary dwarfism VI. Defects in GH1 are a cause of growth hormone deficiency isolated type 2 (IGHD2) [MIM:173100]. IGHD2 is an autosomal dominant deficiency of GH which causes short stature. Clinical severity is variable. Patients have a positive response and immunologic tolerance to growth hormone therapy.
配列類似性	Belongs to the somatotropin/prolactin family.
細胞内局在	Secreted.

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