

## Product datasheet

# Recombinant Human Growth Hormone protein ab83992

### 製品の概要

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

### 製品の詳細

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由来	Recombinant
由来	HEK 293 cells

### アミノ酸配列

生物種	Human
配列	Theoretical Sequence: FPTIPLSRLFDNAMLRAHRLHQLAFDITYQEFEEAYIPKE QKYSFLQNPQTSLCFSESIPTPSN REETQQKSNLELLRISLLLIQSWL EPVQFLRSVFANSLVYGASDSNVYDLLKDLEEGIQTLMG RLEDGSPRT GQIFKQTYSKFDTNSHNDALLKNYGLLYCFRKDMDKVETFLRIVQCRSV EGS CGF

### 特性

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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

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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
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<b>再構成</b>	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.
<b>関連情報</b>	
<b>機能</b>	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.
<b>関連疾患</b>	<p>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.</p> <p>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.</p> <p>Defects in GH1 are the cause of Kowarski syndrome (KWKS) [MIM:262650]; also known as pituitary dwarfism VI.</p> <p>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.</p>
<b>配列類似性</b>	Belongs to the somatotropin/prolactin family.
<b>細胞内局在</b>	Secreted.

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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