abcam

Product datasheet

Recombinant Growth Hormone protein ab68393

概述

产品名称	重组Growth Hormone蛋白
蛋白长度	Full length protein

描述

性质	Recombinant
来源	Escherichia coli

氨基酸序列

种属	Gilthead seabream
序列	The sequence of the first five N-terminal amino acids was determined and was found to be Thr-Asp-Gly-Gln-Arg-Leu.

技术指标

Our Abpromise guarantee covers the use of **ab68393** in the following tested applications.

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

应用	Functional Studies SDS-PAGE
纯度	> 95 % SDS-PAGE. ab68393 was purified by proprietary chromatographic techniques. Purity is greater than 98.0% as determined by analysis by RP-HPLC and SDS-PAGE.
形式	Lyophilised
补充说明	For long term storage and more diluted solutions it is recommended to add a carrier protein (0.1% HSA or BSA).

制备和贮存

稳定性和存储	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Preservatives: None. Constituents: 0.02% Sodium bicarbonate.

	This product is an active protein and may elicit a biological response in vivo, handle with caution.
复溶	Reconstitute in 0.4% NaHCO3 or water adjusted to pH 8-9, to not less than 100µg/ml, which can then be further diluted to other aqueous solutions, preferably in a presence of a carrier protein such as BSA or similar.

常规信息

功能	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.
疾病相关	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.
序列相似性	Belongs to the somatotropin/prolactin family.
细胞定位	Secreted.