

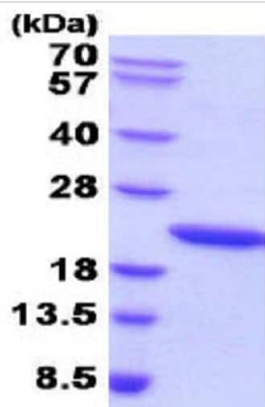
Recombinant human Growth Hormone protein (Active) ab51232

1 References 2 图像

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| 描述 | |
| 产品名称 | 重组人Growth Hormone蛋白(Active) |
| 生物活性 | Measured in a cell proliferation assay using Nb2-11 Rat lymphoma cells. The ED50 range ≤ 0.2ng/ml. |
| 纯度 | > 95 % SDS-PAGE. Recombinant human Growth Hormone was purified by FPLC gel-filtration chromatography, after refolding of the isolated inclusion bodies in a renaturation buffer. |
| 内毒素水平 | < 1.000 Eu/μg |
| 表达系统 | Escherichia coli |
| Accession | P01241 |
| 蛋白长度 | Full length protein |
| 无动物成分 | No |
| 性质 | Recombinant |
| 种属 | Human |
| 序列 | FPTIPLSRLFDNAMLRAHRLHQLAFDTYQEFEEAYIPKEQKY SFLQNPQT SLCFSESIPTPSNREETQQKSNLELLRISLLLIQSWLEPVQF LRSVFANS LVYGASDSNVYDLLKDLEEGIQTLMGRLEDGSPRTGQIFKQT YSKFDTNS HNDDALLKNYGLLYCFRKDMDKVETFLRIVQCRSVEGSCGF |
| 预测分子量 | 22 kDa |
| 氨基酸 | 27 to 217 |
| 额外的序列信息 | Full length mature chain without signal peptide. NP_000506. |

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| 技术指标 | |
| Our Abpromise guarantee covers the use of ab51232 in the following tested applications. | |
| The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user. | |
| 应用 | Western blot SDS-PAGE Functional Studies |

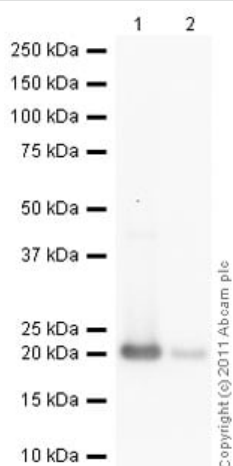
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|--------|---|
| 形式 | Liquid |
| 制备和贮存 | |
| 稳定性和存储 | <p>Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.</p> <p>pH: 7.40</p> <p>Constituents: 0.0134% PBS, 1.6016% Mannitol</p> <p>This product is an active protein and may elicit a biological response in vivo, handle with caution.</p> |
| 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 | <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> |
| 序列相似性 | Belongs to the somatotropin/prolactin family. |
| 细胞定位 | Secreted. |
| 图片 | |



SDS-PAGE - Recombinant human Growth Hormone protein (Active) (ab51232)

15% SDS-PAGE - Recombinant human Growth Hormone protein (Active) (ab51232, 3 µg).

Reducing conditions. Visualized by coomassie blue stain.



Western blot - Recombinant human Growth Hormone protein (Active) (ab51232)

All lanes : Anti-Growth Hormone antibody [GH-1] (**ab9821**) at 1/500 dilution

Lane 1 : Recombinant human Growth Hormone protein (Active) (ab51232) at 0.1 µg

Lane 2 : Recombinant human Growth Hormone protein (Active) (ab51232) at 0.01 µg

Secondary

All lanes : Goat Anti-Mouse IgG H&L (HRP) preadsorbed (**ab97040**) at 1/5000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

Exposure time: 2 minutes

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

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