



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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## Datasheet

### GH1 (Human) Recombinant Protein

**Catalog Number:** P8714

**Regulation Status:** For research use only (RUO)

**Product Description:** Human GH1 recombinant protein expressed in *Escherichia coli*.

**Sequence:**

AFPTIPLSRLFDNAMLRRRLYLQAYDTYQEFNPQTSL  
CFSESIPTPSNRVKTQQKSNLELLRISLLLIQSWLEPVQ  
LLRSVGFANSLVYGASDSNVYRHLKDLEEGIQTLMWRL  
EDGSPRTGQIFNQSYSKFDTKSHNDDALLKNYGLLYC  
FRKDMDKVETFLRIVQCRSVEGSCGF

**Host:** *Escherichia coli*

**Theoretical MW (kDa):** 20.4

**Protocols:** See our web site at <http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Form:** Lyophilized

**Preparation Method:** *Escherichia coli* expression system

**Purification:** chromatographic

**Purity:** > 98% as determined by (a) SEC-HPLC.(b) SDS-PAGE.

**Storage Buffer:** Protein (1 mg/mL) was lyophilized from a solution containing 0.0045 mM NaHCO<sub>3</sub>, pH 11. Reconstitute the lyophilized powder in 0.4% NaHCO<sub>3</sub> or ddH<sub>2</sub>O to 100 ug/mL, pH 11.

**Storage Instruction:** Lyophilized protein at room temperature for 3 weeks, should be stored at -20°C. Protein aliquots at 4°C for 4 weeks and should be stored at -20°C to -80°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).  
Avoid repeated freeze/thaw cycles.

**Entrez GeneID:** 2688

**Gene Symbol:** GH1

**Gene Alias:** GH, GH-N, GHN, hGH-N

**Gene Summary:** The protein encoded by this gene is a member of the somatotropin/prolactin family of hormones which play an important role in growth control. The gene, along with four other related genes, is located at the growth hormone locus on chromosome 17 where they are interspersed in the same transcriptional orientation; an arrangement which is thought to have evolved by a series of gene duplications. The five genes share a remarkably high degree of sequence identity. Alternative splicing generates additional isoforms of each of the five growth hormones, leading to further diversity and potential for specialization. This particular family member is expressed in the pituitary but not in placental tissue as is the case for the other four genes in the growth hormone locus. Mutations in or deletions of the gene lead to growth hormone deficiency and short stature. [provided by RefSeq]