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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

Datasheet

GH1 (Human) Recombinant Protein

Catalog Number: P8715

Regulation Status: For research use only (RUO)

Product Description: Human GH1 recombinant protein with His tag in N-terminus expressed in *Nicotiana benthamiana* plant.

Sequence:

HHHHHHFPTIPLSRPFDNAMLRAHRLHQLAFDITYQEF
EEAYIPKEQKYSFLQNPQTSLCFSES IPTSPNREETQQ
KSNLELLRISLLLIQSWLEPVQFLRSVFANSLVYGASDS
NVYDLLKDLEEGIQ TLMGRLEDGSPRTGQIFKQTYSKF
DTNSHND DALLKNYGLLYCFRKDMDKVETFLRIVQCR
SVEGSCGFAG

Theoretical MW (kDa): 22.9

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

Form: Lyophilized

Preparation Method: *Nicotiana benthamiana* plant expression system

Purity: > 97% as determined by SDS-PAGE.

Activity: ED₅₀ < 0.04-0.1 ng/mL, measured by cell proliferation using Nb2-11 cells.

Storage Buffer: Protein (1 mg/mL) was lyophilized from a solution containing 0.05M PBS, pH7.5. Reconstitute the lyophilized powder in ddH₂O to 100 ug/mL.

Storage Instruction: Lyophilized protein at room temperature for 3 weeks, should be stored at -20°C. Protein aliquots at 4°C for 2-7 days 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]