

Recombinant Horse GH1 Protein, His-tagged

Cat. No. GH1-2776H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Horse GH1 Protein (Phe27-Phe216) with N-His tag was expressed in E. coli.
Species	Horse
Source	E.coli
ProteinLength	Phe27-Phe216
Description	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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 25.4 kDa Accurate Molecular Mass: 27 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for

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48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

Storage

Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.

Storage Buffer

20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.

Reconstitution

Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name

[GH1 growth hormone 1 \[Equus caballus \(horse\) \]](#)

Official Symbol

[GH1](#)

Synonyms

GH1; growth hormone 1; GH; GHB1; somatotropin; growth hormone B1

Gene ID

[100034180](#)

mRNA Refseq

[NM_001081948](#)

Protein Refseq

[NP_001075417](#)

UniProt ID

[P01245](#)

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