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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

GHR (Human) Recombinant Protein

Catalog Number: P8734

Regulation Status: For research use only (RUO)

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

Sequence:

AIENQRLFNIAVSRVQHLHLLAQKMFNDFDGTLLPDER
RQLNKIFLLDFCNSDSIVSPVDKHETQKSSVLKLLHISF
RLIESWEYPSQTLIISNSLMVRNANQISEKLSDLKVGINL
LITGSQDGVLSLDDNDSQQLPPYGNYYQNLGGDGNV
RRNYELLACFKDMHKVETYLTVAKCRKSLEANCTL

Host: *Escherichia coli*

Theoretical MW (kDa): 28.1

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.

Activity: GHBP is fully biologically active as evidenced by the ability to form a 2:1 complex with G.H.

Storage Buffer: Protein (1 mg/mL) was lyophilized from a solution containing 0.0045 mM NaHCO₃. 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: 2690

Gene Symbol: GHR

Gene Alias: GHBP

Gene Summary: This gene encodes a protein that is a transmembrane receptor for growth hormone. Binding of growth hormone to the receptor leads to receptor dimerization and the activation of an intra- and intercellular signal transduction pathway leading to growth. A common alternate allele of this gene, called GHRd3, lacks exon three and has been well-characterized. Mutations in this gene have been associated with Laron syndrome, also known as the growth hormone insensitivity syndrome (GHIS), a disorder characterized by short stature. Other splice variants, including one encoding a soluble form of the protein (GHRtr), have been observed but have not been thoroughly characterized. In humans and rabbits, but not rodents, growth hormone binding protein (GHBP) is generated by proteolytic cleavage of the extracellular ligand-binding domain from the mature growth hormone receptor protein. The precise location of this cleavage site has not been determined for the human protein]