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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: P8735

Regulation Status: For research use only (RUO)

Product Description: Human GHR partial recombinant protein expressed in Insect cells.

Sequence:

AFSGSEATAAILS RAPWSLQSVNPLKTNSSKEPKFTK
CRSPERETF SCHWTDEVHHGTKNLGPIQLFYTRRNTQ
EWTQEWKECPDYVSAGENSCYFNSSFTSIWIPYCIKLT
SNGGTVDEKCFVDEIVQDPPIALNWTLNVS LTGIH
ADIQVRWEAPRNADIQKGMVLEYLELQYKEVNETKW
KMMDPILTTSPVYSLKVDKEYEVRVRSKQRNSGNYG
EFSEVLYVTLPQMSQFTCEEDFYF

Host: insect

Theoretical MW (kDa): 29.4

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

Form: Liquid

Preparation Method: Baculovirus expression system

Purification: chromatographic

Purity: > 95% as determined by SDS-PAGE.

Activity: ED₅₀ < 10 ng/mL, measured by ability to inhibit
GH-induced proliferation assay using Nb2-11 Rat
lymphoma cells in the presence of 1.25 ng/mL of human
growth hormone.

Storage Buffer: solution (1 mg/mL) containing 1X PBS,
pH 7.4, 10% glycerol.

Storage Instruction: Store at 4°C for 2-4 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: 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]