

**GHBP, human recombinant protein**  
**GHR, GHBP, GH receptor, Somatotropin receptor**  
**Catalog # PBV10514r**

## Specification

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### GHBP, human recombinant protein - Product info

|                   |                                                    |
|-------------------|----------------------------------------------------|
| Primary Accession | <a href="#">P10912</a>                             |
| Calculated MW     | 30.3 kDa (19-256 aa + N-terminal poly-his tag) KDa |

### GHBP, human recombinant protein - Additional Info

|                                                                      |      |
|----------------------------------------------------------------------|------|
| Gene ID                                                              | 2690 |
| Gene Symbol                                                          | GHR  |
| <b>Other Names</b>                                                   |      |
| GHR, GHBP, GH receptor, Somatotropin receptor, Serum-binding protein |      |

|                |                |
|----------------|----------------|
| Gene Source    | Human          |
| Source         | E. coli        |
| Assay&Purity   | SDS-PAGE; ≥95% |
| Assay2&Purity2 | HPLC; ≥95%     |
| Recombinant    | Yes            |

#### **Application Notes**

Reconstitute in sterile dH<sub>2</sub>O not less than 100 µg/ml. This solution can then be diluted into other aqueous buffers

#### **Format**

Lyophilized protein

#### **Storage**

-20°C; GHBP was lyophilized from a concentrated (1 mg/ml) solution with 0.0045 mM NaHCO<sub>3</sub>.

### GHBP, human recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### GHBP, human recombinant protein - Images

### GHBP, human recombinant protein - Background

GHBP 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. Human Recombinant GHBP expressed from E. coli is a single, non-glycosylated, polypeptide chain containing 237 amino acids and having a molecular mass of 28.1 kDa. GHBP is purified by proprietary chromatographic techniques.

**GHBP, human recombinant protein - References**

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Godowski P.J.,et al.Proc. Natl. Acad. Sci. U.S.A. 86:8083-8087(1989).  
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Dastot F.,et al.Proc. Natl. Acad. Sci. U.S.A. 93:10723-10728(1996).  
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