

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

Specification

GHBP, human recombinant protein - Product info

Primary Accession	P10912
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
Other Names	
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 dH₂O 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 NaHCO₃.

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).
Urbanek M.,et al.Mol. Endocrinol. 6:279-287(1992).
Dastot F.,et al.Proc. Natl. Acad. Sci. U.S.A. 93:10723-10728(1996).
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