

Recombinant Human GHBP

CATALOG #:	4972-50	50 µg
	4972-1000	1 mg
LOT #:		
SYNONYMS:	GHR, GHBP, GH receptor, Growth hormone binding protein, Somatotropin receptor	
SOURCE:	<i>E. coli</i>	
PURITY:	>98% by SDS-PAGE and HPLC analyses Endotoxin level is <0.1 ng/µg of human GHBP.	
MOLECULAR WT:	28.1 kDa	
FORM:	GHBP was lyophilized from a concentrated (1 mg/ml) solution with 0.0045 mM NaHCO ₃ .	

RECONSTITUTION:

Centrifuge the vial prior to opening. Reconstitute in sterile dH₂O not less than 100 µg/ml. This solution can then be diluted into other aqueous buffers and stored at 4°C for 1 week or -20°C for future use.

STORAGE CONDITIONS:

The lyophilized human GHBP is best-stored desiccated below 0°C. Reconstituted GHBP should be stored in working aliquots at -20°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).

DESCRIPTION:

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.

BIOLOGICAL ACTIVITY:

GHBP is fully biologically active as evidenced by its ability of forming 2:1 complex with HGH.

FOR RESEARCH USE ONLY! Not to be used on humans.

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- Caspase Assay Kits & Reagents
- Mitochondrial Apoptosis Kits & Reagents
- Nuclear Apoptosis Kits & Reagents
- Apoptosis Inducers and Set
- Apoptosis siRNA Vectors

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- Nuclear/Cytosol Fractionation Kit
- Membrane Protein Extraction Kit
- Cytosol/Particulate Rapid Separation Kit
- Mammalian Cell Extraction Kit
- FractionPREP Fractionation System

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- Bioluminescence Cytotoxicity Assay Kit
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