

Growth Hormone Active Protein | raGHBP active protein

Recombinant Rabbit Growth Hormone Binding Protein

CATALOG #
AAA38592

PRODUCT SYNONYMS

Growth Hormone; Recombinant Rabbit Growth Hormone Binding Protein; GHBP Rabbit; Growth Hormone Binding Protein Rabbit Recombinant; GHR; GHBP; GH receptor; Somatotropin receptor; raGHBP active protein

PRODUCT SPECIFICATIONS

Purity/Purification	Greater than 98.0% as determined bySDS-PAGE.
Form/Format	The Growth Hormone Binding Protein Rabbit was lyophilized from a concentrated (1mg/ml) solution with 0.0045mM NaHCO ₃ . Sterile Filtered White lyophilized (freeze-dried) powder.
Sequence	AFSGSEATPA TLGRASESVQ RVHPGLGTNS SGKPKFTKCR SPELETFSCH WTDGVHHGLK SPGSVQLFYI RRNTQEWTE WKECPDYVSA GENSCYFNSS YTSIWIPYCI KLTNNGGMVD QKCFSVEEIV QPDPIGLNW TLLNVSLTGI HADIQVRWEP PPNADVQKGW IVLEYELQYK EVNETQWKMM DPVLSTSPV YSLRLDKEYE VRVRSRQRSS EKYGEFSEVL YVTLPQMSPF TCEEDFRFP
Sequence Length	638
Source	Escherichia Coli.
Solubility	It is recommended to reconstitute the lyophilized GHBP Rabbit in sterile 0.4% NaHCO ₃ pH 10, not less than 100ug/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	Evidended by its ability of forming 2:1 complex with non-primate Growth Hormones.
Preparation and Storage	Lyophilized Growth Hormone Binding Protein Rabbit although stable at room temperature for 3 weeks, should be stored desiccated below -18 degree C. Upon reconstitution GHBP Rabbit should be stored at 4 degree C between 2-7 days and for future use below -18 degree C.For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please prevent freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for raGHBP active protein	Description: Growth Hormone Binding Protein Rabbit Extracellular Domain Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 249 amino acids and having a molecular mass of 28 kDa. GHBP Rabbit is purified by proprietary chromatographic techniques. Introduction: 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. Other splice variants, including one encoding a soluble form of the protein (GHRtr), have been observed but have not been thoroughly characterized.
Product Categories/Family for raGHBP active protein	Cytokines and Growth Factors; Growth Factors; Growth Hormone

NCBI AND UNIPROT INFORMATION

NCBI GI #	130492708
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NCBI GeneID	100009325
NCBI Accession #	NP_001076105.1
NCBI GenBank Nucleotide #	NM_001082636.1
UniProt Accession #	P19941
NCBI Official Full Name	growth hormone receptor
NCBI Official Symbol	GHR
NCBI Protein Information	growth hormone receptor; GH receptor; somatotropin receptor
UniProt Protein Name	Growth hormone receptor
UniProt Gene Name	GHR
UniProt Synonym Gene Names	GH receptor; GH-binding protein; GHBP
UniProt Entry Name	GHR_RABIT

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/raghbp-active-protein/growth-hormone/38592>