9051 Mira Mesa Blvd, #910094
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GHBP Rabbit

Growth Hormone Binding Protein Rabbit Recombinant
GRF0134

Product Overview

Name	GHBP Rabbit
Description	
Growth Hormone Binding Protein Rabbit Recombinant	
Accession (Primary)	P19941
Synonyms	
GHR, GHBP, GH receptor, Somatotropin receptor.	
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.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered White lyophilized (freeze-dried) powder.	
Formulation	
The Growth Hormone Binding Protein Rabbit was lyophilized from a concentrated (1mg/ml) solution with 0.0045mM NaHCO3.	
Stability	
Lyophilized Growth Hormone Binding Protein Rabbit although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution GHBP Rabbit should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.	
Purity	
Greater than 98.0% as determined by SDS-PAGE.	
Amino acid sequence	

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AFSGSEATPATLGRASESVQRVHPGLGTNSSGKPKFTKCRSPELETFSCHWTDGVHHGLK

SPGSVQLFYIRRNTQEWTQEWKECPDYVSAGENSCYFNSSYTSIWIPYCIKLTNNGGMVD

QKCFSVEEIVQPDPPIGLNWTLLNVSLTGIHADIQVRWEPPPNADVQKGWIVLEYELQYK

EVNETQWKMMDPVLSTSVPVYSLRLDKEYEVRVRSRQRSSEKYGEFSEVLYVTLPQMSPFTCEEDFRFP.

Biological Activity

Evidenced by its ability of forming 2:1 complex with non-primate Growth Hormones.

Solubility

It is recommended to reconstitute the lyophilized GHBP Rabbit in sterile 0.4% NaHCO 3 pH 10, not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Precautions

GHBP Rabbit is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P19941)