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32-1264: raGHBP Recombinant Protein

Alternative Name : GHR,GHBP,GH receptor,Somatotropin receptor.

Description

Source : Escherichia Coli. Growth Hormone Binding Protein Rabbit Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 248 amino acids and having a molecular mass of 48 kDa. GHBP Rabbit is purified by proprietary chromatographic techniques. 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 Info

Amount :	20 µg
Purification :	Greater than 98.0% as determined by:(a) Analysis by SEC-HPLC.(b) Analysis by SDS-PAGE.
Content :	The Growth Hormone Binding Protein Rabbit was lyophilized from a concentrated (1mg/ml) solution with 0.0045mM NaHCO3.
Storage condition :	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.
Amino Acid :	AFSGSEATPATLGRASESVQRVHPGLGTNSSGKPKFTKCRSPELETFSCHWTDGVHHGLKSPGSVQLFYIRRN TQEWTQEWKECPDYVSAGENSCYFNSSYTSIWIPYCIKLTNNGGMVDQKCFSVEEIVQPDPPIGLNWTLLNVSL TGIHADIQVRWEPPPNADVQKGWIVLEYELQYKEVNETQWKMMDPVLSTSVPVYSLRLDKEYEVRVRSRQRSS EKYGEFSEVLYVTLPQMSPFTCEEDFRFP.

Application Note

It is recommended to reconstitute the lyophilized GHBP Rabbit in sterile 0.4% NaHCO3 pH 10, not less than 100Ã‚Âµg/ml, which can then be further diluted to other aqueous solutions. Evidenced by its ability of forming 2:1 complex with non-primate Growth Hormones.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.