

Human GHR ELISA Kit | GHR elisa kit

Human GHR PicoKine ELISA Kit

CATALOG #
AAA46667

REACTIVITY
Human

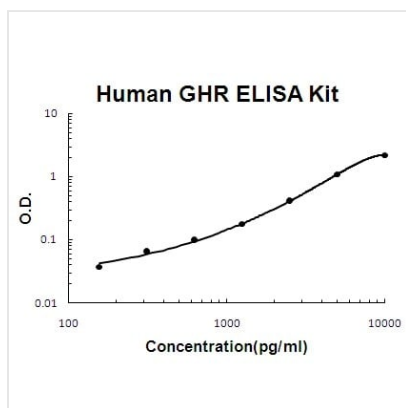
PRODUCT SYNONYMS

GHR; Human GHR PicoKine ELISA Kit; GH receptor; GH-binding protein; GHBP; Serum binding protein; P10912; Growth hormone receptor; GHR elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human GHR
Sequence Length	638
Samples	Cell culture supernates, serum and plasma(heparin, EDTA).
Assay Type	Sandwich
Detection Range	156pg/ml-10000pg/ml
Sensitivity	<15pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay) Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice).

IMAGES



Standard Curve (Sample)

Human GHR PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for GHR elisa kit	Principle of the Assay: Human GHR ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for GHR has been precoated onto 96-well plates. Standards(Expression system for standard: NSO; Immunogen sequence: A27-Y264) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for GHR is added subsequently and then followed by washing with PBS or TBS buffer. Avidin- Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Human GHR amount of sample captured in plate. Background/Introduction: Growth hormone receptor is a protein that in humans is encoded by the GHR gene. It is mapped to chromosome 5p13.1-p12. This gene encodes a protein that is a transmembrane receptor for growth hormone. Binding of growth hormone to the receptor leads to receptor dimerization (the receptor may however also exist as a pre-assembled non-functional dimer) and the activation of an intra- and intercellular signal transduction pathway leading to growth. 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 (proportional dwarfism).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4503993
NCBI GeneID	2690
NCBI Accession #	NP_000154.1
NCBI GenBank Nucleotide #	NM_000163.4
UniProt Accession #	P10912; Q9HCX2
Molecular Weight	69,237 Da
NCBI Official Full Name	growth hormone receptor isoform 1
NCBI Official Synonym Full Names	growth hormone receptor
NCBI Official Symbol	GHR
NCBI Official Synonym Symbols	GHBP; GHIP
NCBI Protein Information	growth hormone 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_HUMAN

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/human-elisa-kits/ghr/46667>