

Human GHR ELISA Kit | GHR elisa kit

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CATALOG #
AAA263044

REACTIVITY
Human

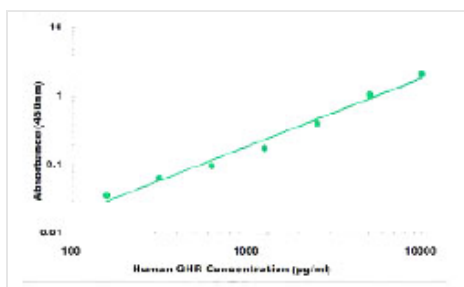
PRODUCT SYNONYMS

GHR; Human GHR ELISA Kit; Growth hormone receptor; GH receptor; Somatotropin receptor; GHR elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	The Human GHR ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Human GHR proteins within the range of 156 pg/ml - 10000 pg/ml.
Sequence Length	638
Samples	Cell Culture Supernates, Serum, Plasma
Sensitivity	<15 pg/ml
Preparation and Storage	Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GHR elisa kit

Principle of the Assay: The Human GHR ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Human GHR in Cell Culture Supernates, Serum, Plasma. This assay employs an antibody specific for Human GHR coated on a 96-well plate. Standards and samples are pipetted into the wells and GHR present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Human GHR antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of GHR bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm.

Background: 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).

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/263044>