

Datasheet for ABIN5510646

Growth Hormone Receptor ELISA Kit**1** Image[Go to Product page](#)

Overview

Quantity:	96 tests
Target:	Growth Hormone Receptor (GHR)
Binding Specificity:	AA 27-264
Reactivity:	Human
Method Type:	Sandwich ELISA
Application:	ELISA

Product Details

Purpose:	Sandwich High Sensitivity ELISA kit for Quantitative Detection of Human GHR
Brand:	PicoKine™
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Specificity:	Expression system for standard: NSO Immunogen sequence: A27-Y264
Cross-Reactivity (Details):	There is no detectable cross-reactivity with other relevant proteins.
Characteristics:	Tissue Specificity: Expressed in various tissues with high expression in liver and skeletal muscle. Isoform 4 is predominantly expressed in kidney, bladder, adrenal gland and brain stem. Isoform 1 expression in placenta is predominant in chorion and decidua. Isoform 4 is highly expressed in placental villi. Isoform 2 is expressed in lung, stomach and muscle. Low levels in liver.

Target Details

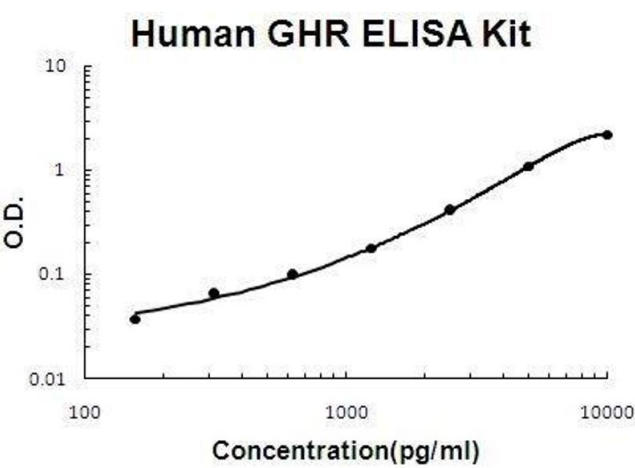
Target:	Growth Hormone Receptor (GHR)
Alternative Name:	GHR (GHR Products)
Background:	<p>Protein Function: Receptor for pituitary gland growth hormone involved in regulating postnatal body growth. On ligand binding, couples to the JAK2/STAT5 pathway (By similarity). .</p> <p>Background: Growth hormone 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).</p> <p>Synonyms: Growth hormone receptor,GH receptor,Somatotropin receptor,Growth hormone-binding protein,GH-binding protein,GHBP,Serum-binding protein,GHR,</p> <p>Full Gene Name: Growth hormone receptor</p> <p>Cellular Localisation: Cell membrane, Single-pass type I membrane protein. On growth hormone binding, GHR is ubiquitinated, internalized, down-regulated and transported into a degradative or non-degradative pathway..</p>
UniProt:	P10912
Pathways:	NF-kappaB Signaling , JAK-STAT Signaling , Response to Growth Hormone Stimulus

Application Details

Plate:	Pre-coated
Restrictions:	For Research Use only

Handling

Storage:	4 °C,-20 °C
Storage Comment:	Store at 4°C for 6 months, at -20°C for 12 months. Avoid multiple freeze-thaw cycles(Shipped with wet ice.)
Expiry Date:	12 months



ELISA

Image 1. Human GHR PicoKine ELISA Kit standard curve