



Human Ghrelin (GHRL) mini samples ELISA kit (123.5-10000 pg/mL)

Cat. No.:	0126WXX-168
Assay Type:	Quantitative competitive ELISA
Target Species:	Human
Assay Target:	GHRL
Size:	24T; 48T; 96T

This product is for research use only and is not intended for diagnostic use.

Product Overview

Description	Human Ghrelin (GHRL) mini samples ELISA kit (123.5-10000 pg/mL) is an ELISA-based <i>in vitro</i> research tool designed specifically for the quantitative detection of GHRL in human samples with a range of 123.5-10000 pg/mL and a minimum detectable dose (sensitivity) of 49.5 pg/mL. The kit is highly sensitive and easy to use.
Assay Principle	The ELISA analytical biochemical technique is based on GHRL antibody-GHRL antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect GHRL antigen targets in samples.
Background	Ghrelin is a peptide hormone primarily secreted by the stomach, exerting its effects by binding to the growth hormone secretagogue receptor type 1 (GHSR). It plays multiple roles in the body, but its most well-known function is regulating energy balance and appetite. Research indicates that ghrelin levels and their regulation of appetite may be abnormal in obese individuals. It is considered a key target for developing anti-obesity drugs.
Synonyms	MTLRP; Preproghrelin; Growth hormone secretagogue receptor ligand; Appetite-regulating hormone; Growth hormone-releasing peptide; Motilin-related peptide
Formula Weight	9,972 Da

**Applications**

Human Ghrelin (GHRL) mini samples ELISA kit (123.5-10000 pg/mL) is used to quantify GHRL in serum, plasma, tissue homogenates, cell lysates, saliva, cell culture supernates, and other biological fluids of human, providing data to support research in a wide range of areas, including signal transduction, endocrinology, gastroenterology, metabolism, obesity, and others.

Research Area

Signal transduction; Endocrinology; Gastroenterology; Metabolism; Obesity

Specification

Sample Type

Serum; Plasma; Tissue homogenates; Cell lysates; saliva; Cell culture supernates ;
Other biological fluids

Detection Range

123.5-10000 pg/mL

Sensitivity

49.5 pg/mL

Cross-reactivity

No significant cross-reactivity or interference was observed.

Storage

Store at 2-8°C.