



Human Obestatin ELISA Kit

Product Code	CSB-E12818h
Abbreviation	Obestatin
Target Name	Obestatin
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Sample Types	serum, plasma, cell culture supernates, urine, tissue homogenates
Detection Range	4.69 pg/mL-300 pg/mL
Sensitivity	1.17 pg/mL
Assay Time	1-5h
Sample Volume	50-100ul
Detection Wavelength	450 nm
Lead Time	3-5 working days after you place the order, and it takes another 3-5 days for delivery via DHL or FedEx.
Research Area	Signal Transduction
Gene Names	GHRL
Tag Info	quantitative
Protein Description	Sandwich

Description

The Human Obestatin ELISA Kit is designed to detect and quantify the Obestatin protein in human samples. Obestatin is a hormone that has been linked to various physiological functions, making our ELISA kit an essential tool for researchers working in the field of Signal Transduction and metabolism research.

This ELISA kit can be used for the detection of Obestatin in human serum, plasma, cell culture supernates, urine, and tissue homogenates. With a detection range of 4.69 pg/mL-300 pg/mL and a sensitivity of 1.17 pg/mL, our kit provides highly accurate and reliable results, allowing you to obtain precise measurements of Obestatin in your samples.

The assay time ranges from 1-5 hours, and only requires a sample volume of 50-100ul, making our ELISA kit a quick and efficient solution for your research needs. The detection wavelength of 450 nm provides clear and reliable readings.

This Human Obestatin ELISA Kit operates using a sandwich assay principle, which ensures accurate and precise measurements of Obestatin in your samples. The kit's high sensitivity and specificity make it a must-have tool for researchers looking to investigate the role of Obestatin in various physiological



functions.

Product Precision

Intra-assay Precision (Precision within an assay): CV%<8%

Three samples of known concentration were tested twenty times on one plate to assess.

Inter-assay Precision (Precision between assays): CV%<10%

Three samples of known concentration were tested in twenty assays to assess.

Linearity

To assess the linearity of the assay, samples were spiked with high concentrations of human Obestatin in various matrices and diluted with the Sample Diluent to produce samples with values within the dynamic range of the assay.

□ ↕	Sample ↕	Serum(n=4) ↕
1:100 ↕	Average % ↕	86 ↕
	Range % ↕	80-92 ↕
1:200 ↕	Average % ↕	99 ↕
	Range % ↕	91-105 ↕
1:400 ↕	Average % ↕	102 ↕
	Range % ↕	92-110 ↕
1:800 ↕	Average % ↕	94 ↕
	Range % ↕	86-98 ↕

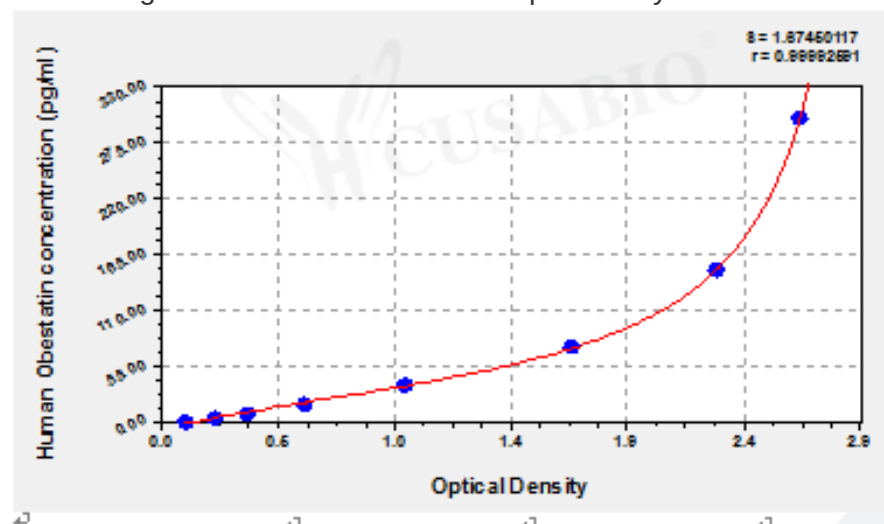
Recovery

The recovery of human Obestatin spiked to levels throughout the range of the assay in various matrices was evaluated. Samples were diluted prior to assay as directed in the Sample Preparation section.

Sample-Type ↕	Average % Recovery ↕	Range ↕
Serum (n=5) ↕	96 ↕	89-98 ↕
EDTA plasma (n=4) ↕	95 ↕	90-100 ↕

Typical

These standard curves are provided for demonstration only. A standard curve should be generated for each set of samples assayed.





pg/ml↕	OD1↕	OD2↕	Average↕	Corrected↕
300↕	2.641↕	2.603↕	2.622↕	2.512↕
150↕	2.144↕	2.248↕	2.283↕	2.173↕
75↕	1.715↕	1.663↕	1.689↕	1.579↕
37.5↕	1.023↕	0.989↕	1.006↕	0.896↕
18.75↕	0.593↕	0.603↕	0.598↕	0.488↕
9.38↕	0.371↕	0.357↕	0.364↕	0.254↕
4.69↕	0.231↕	0.229↕	0.230↕	0.120↕
0↕	0.114↕	0.106↕	0.110↕	□↕

Msds

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