

## ARG80872 Human Ghrelin (active) ELISA Kit

Package: 96 wells

Store at: 4°C

### Summary

Product Description	ARG80872 Human Ghrelin (active) ELISA Kit is used for the non-radioactive quantification of human ghrelin (active) in serum and plasma. There is no cross reactivity to des-octanoyl-ghrelin. Circulating ghrelin is a multifunctional hormone produced primarily by the stomach. It consists of 28 amino acids and the n-octanoylation of serine3 position in the molecule is necessary for its bioactivity. Originally found as an endogenous ligand for the growth hormone secretagogue receptor in the pituitary gland, it distinguishes itself from the hypothalamic growth hormone-releasing hormone as another potent stimulator for growth hormone secretion. It is also an important orexigenic hormone in the regulation of energy homeostasis. One kit is sufficient to measure 38 unknown samples in duplicate. This kit is for research purpose only.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	This ELISA kit is no cross reactivity to desoctanoyl-ghrelin.
Target Name	Ghrelin
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm
Sensitivity	15 pg/ml
Sample Type	serum, plasma
Standard Range	25.63 - 820 pg/ml
Sample Volume	20 µl
Full Name	ghrelin/obestatin prepropeptide
Alternate Names	Motilin-related peptide; Appetite-regulating hormone; Growth hormone secretagogue; Growth hormone-releasing peptide; MTLRP; Ghrelin; Protein M46

### Application Instructions

Assay Time	2 h, 30 min (RT/shaker), 5-20 min (shaker)
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### Properties

Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

Database links	<a href="#">GeneID: 51738 Human</a> <a href="#">Swiss-port # Q9UBU3 Human</a>
Gene Symbol	GHRL
Background	<p>Circulating ghrelin is a multifunctional hormone produced primarily by the stomach. It consists of 28 amino acids and the n-octanoylation of serine3 position in the molecule is necessary for its bioactivity. Originally found as an endogenous ligand for the growth hormone secretagogue receptor in the pituitary gland, it distinguishes itself from the hypothalamic growth hormone-releasing hormone as another potent stimulator for growth hormone secretion. It is also an important orexigenic hormone in the regulation of energy homeostasis. One kit is sufficient to measure 38 unknown samples in duplicate.</p>