

# Product Datasheet

## Human, Mouse, Rat Ghrelin ELISA Kit (Colorimetric) KA1863

Unit Size: 1 Kit

Storage of components varies. See protocol for specific instructions.

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**KA1863****Human, Mouse, Rat Ghrelin ELISA Kit (Colorimetric)**

<b>Product Information</b>	
<b>Unit Size</b>	1 Kit
<b>Concentration</b>	Concentration is not relevant for this product. Please see the protocols for proper use of this product.
<b>Storage</b>	Storage of components varies. See protocol for specific instructions.

<b>Product Description</b>	
<b>Description</b>	Quality control test: Standard Curve. Ghrelin (Human Mouse Rat) ELISA Kit is an in vitro quantitative assay for detecting Ghrelin based on the principle of Competitive Enzyme Immunoassay.
<b>Gene ID</b>	51738
<b>Gene Symbol</b>	GHRL
<b>Species</b>	Human, Mouse, Rat
<b>Kit Components</b>	EIA Microplate (Item A): 96 wells (12 strips x 8 wells) coated with secondary antibody. *, EIA Wash Buffer Concentrate (20x) (Item B): 20X concentrated solution., Standard Ghrelin Peptide (Item C): Lyophilized Ghrelin Peptide. 1 vial is enough to run each standard in duplicate., Anti-Ghrelin Polyclonal Antibody (Item N): Lyophilized anti-Ghrelin., 5X Assay Diluent B (Item E): 5X concentrated buffer. Diluent for both standards and samples including serum, plasma, cell culture media or other sample types., Biotinylated Ghrelin Peptide (Item F): Lyophilized Biotinylated Ghrelin Peptide, 1 vial is enough to assay the whole plate., HRP-Streptavidin Concentrate (Item G): 50X concentrated HRP-conjugated streptavidin., Positive Control (Item M): Lyophilized Positive Control., TMB One-Step Substrate Reagent (Item H): 3, 3', 5, 5'- tetramethylbenzidine (TMB) in buffered solution., Stop Solution (Item I): 0.2 M sulfuric acid., *Return unused wells to the pouch containing desiccant pack, reseal along entire edge.
<b>Notes</b>	This product is produced by and distributed for Abnova, a company based in Taiwan.
<b>Standard Curve Range</b>	0.1 to 1000 ng/mL
<b>Sensitivity</b>	161 pg/mL
<b>Inter Assay</b>	CV% < 15%
<b>Intra Assay</b>	CV% < 10%
<b>Assay Type</b>	Competitive ELISA
<b>Suitable Sample Type</b>	Cell Culture Supernatant, Cell Lysate, Plasma, Serum
<b>Sample Volume</b>	100 uL

<b>Product Application Details</b>	
<b>Applications</b>	ELISA
<b>Recommended Dilutions</b>	ELISA
<b>Application Notes</b>	Useful for quantification.

**Publications**

Yua CH, Chu SC, Chen PN et al. Participation of ghrelin signalling in the reciprocal regulation of hypothalamic NPY/POMC-mediated appetite control in amphetamine-treated rats. *Appetite* 2017-02-14 [PMID: 28229938]





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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. ELISA Kits are guaranteed for 6 months from date of receipt.

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