



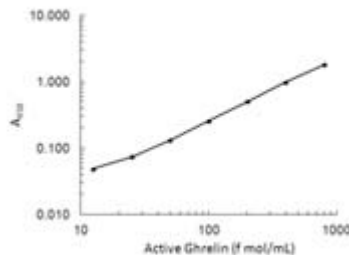
DATA SHEET

97752 Desacyl-Ghrelin ELISA

Format	ELISA/EIA
Storage	2 - 8°C
Package	96 tests
Species	Human/Mouse/Rat
Sample types	Plasma
Sample size	50µL
Sensitivity	12.5 f mol/mL
Range	12.5 - 800 fmol/mL
Protocol	1st Incubation 2 hrs, 2nd incubation 1hr, 3rd incubation 30 min
Download (protocol)	
Download (MSDS)	
Note	Detection Target name Desacyl-Ghrelin Target Synonyms Ghrelin, Desacyl-Ghrelin, Ghrelin unacylated, Appetite-regulating hormone, Growth hormone secretagogue, Growth hormone-releasing peptide, Motilin-related peptide, M46 protein, GHRL

Description

Ghrelin, a novel growth hormone releasing peptide is an acylated peptide that stimulates the release of growth hormone from pituitary. It was isolated from rat stomach and the structure was determined as a peptide consisting of 28-amino acid by Dr.Kenji kangawa(National Cardiovascular Center in Japan).The Ser3 residue of Ghrelin is modified by n-octanoic acid ,a modification necessary for hormone activity. This Desacyl-Ghreline ELISA kit measures only the Desacyl-Ghreline based on the principle of 2 Site Sandwich enzyme-linked immunosorbent assay(ELISA). It can detect not only human Desacyl-Ghreline but also rat/mouse Desacyl-Ghreline(1-28). This kit is manufactured using the high specific antibody pairs generated by Dr.kangawa and by following his protocol.(patent pending : PCT WO 01/07475 A1)



Standard curve **This**
product is useful for Diabetes/Obesity study.

News Article

[Ghrelin ELISAs - The Global Standard of Ghrelin Assay](#)

[Technical Data](#)

[Pretreatment and stability](#)

Related Products

Immuno Assays

97751 Active Ghrelin ELISA

Peptides

4372-s Ghrelin (Human)

4373-s Ghrelin (Rat)

4436-s Des-Acyl Ghrelin (Human)

4437-s Des-Acyl Ghrelin (Rat)

References

- (1) Kojima M. et al.: "Ghrelin is a growth-hormone-releasing acylated peptide from stomach." ***Nature*, 402, 656-660, 1999.**
- (2) Inui A.: "Ghrelin: an orexigenic and somatotrophic signal from the stomach." ***Nat. Rev. Neurosci.*, 2, 551-560, 2001.**
- (3) Date Y. et al.: "Ghrelin, a novel growth hormone-releasing acylated peptide, is synthesized in a distinct endocrine cell type in the gastrointestinal tracts of rats and humans." ***Endocrinology*, 141, 4255-61, 2000.**
- (4) Gualillo O. et al.: "Ghrelin, a novel placental-derived hormone." ***Endocrinology*, 142, 788-794, 2001.**
- (5) Matsumoto M. et al.: "Structure-activity relationship of ghrelin: pharmacological study of ghrelin peptides." ***Biochem. Biophys. Res. Commun.*, 287, 142-146, 2001.**
- (6) Hosoda H. et al.: "Ghrelin and des-acyl ghrelin: two major forms of rat ghrelin peptide in gastrointestinal tissue." ***Biochem. Biophys. Res. Commun.*, 279, 909-913, 2000.**

