

For research use only

For research on  
Diabetes & Obesity

# Active Ghrelin ELISA Kit

## Desacyl-Ghrelin ELISA Kit

**Gold Standard for Ghrelin Study**

United States Patent 7,385,026

European Patent 1197496

(Effective States : AT,BE,CH,CY,DE,DK,ES,FI,FR,GB,GR,IE,IT,LU,MC,NL,PT,SE)

Australian Patent 784035

Korean Patent 10-0827973

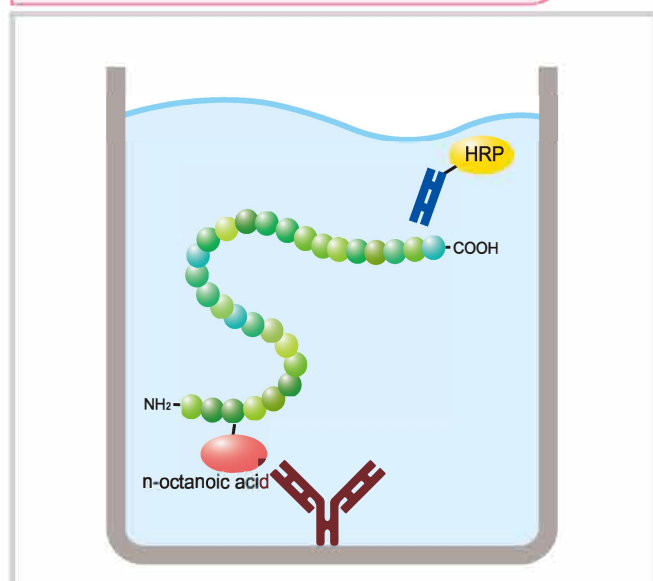
Japanese Patent 3471780

Specialized ELISA for **Active Ghrelin** and **Desacyl-Ghrelin**

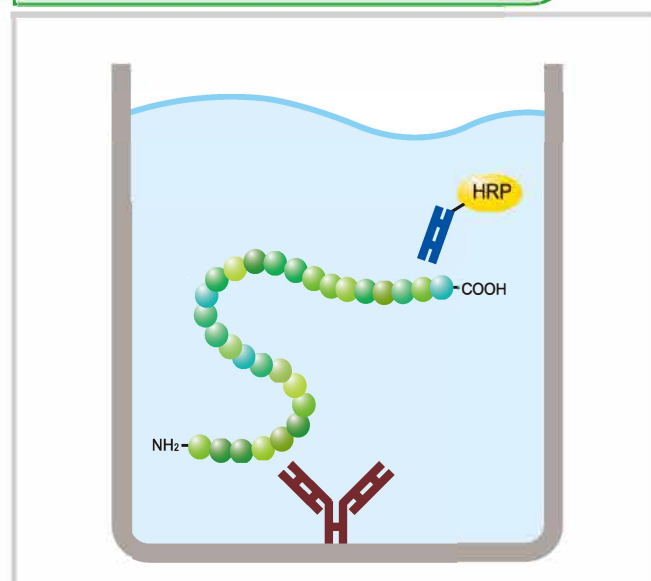
Sample of Human, Rat and Mouse

The Global standard for Ghrelin assay

### Active Ghrelin ELISA Kit



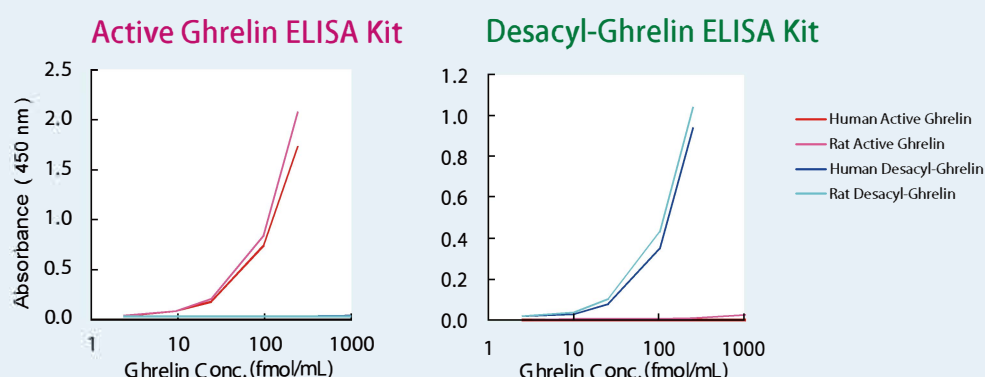
### Desacyl-Ghrelin ELISA Kit



## What is Ghrelin?

Ghrelin is a peptide identified as endogenous ligand of the growth hormone secretagogue receptor (GHS-R). It is predominantly produced in the stomach and plays a key role in energy control by stimulating food intake. Ghrelin is a 28-amino acid peptide. Active Ghrelin is acylated at the Ser3 residue with an n-octanoic acid. In contrast, Desacyl-Ghrelin is non-acylated and had been recognized non-active form cause the acylation is thought to be necessary for its biological activities. But recent findings suggest Desacyl-Ghrelin is also possesses some kinds of biological activities. It is also reported that ghrelin administration reduces insulin secretion. This suggests that a research on ghrelin may lead to a development of new therapy for diabetes mellitus.

## Highly Specific



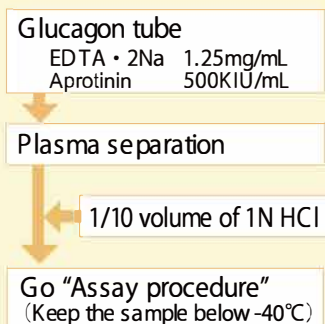
**Active Ghrelin ELISA Kit** provide specific reaction with Active Ghrelin and do not cross-react with Desacyl-Ghrelin.

In contrast, **Desacyl-Ghrelin ELISA Kit** only react with Desacyl-Ghrelin and shows no cross-reactivity with Active Ghrelin.

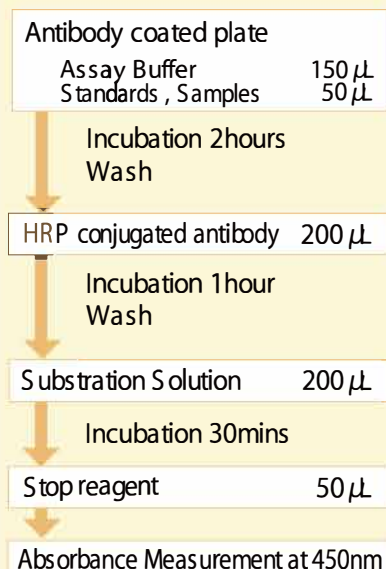
### REAGENT SUPPLIED

- |  |             |
|--|-------------|
| 1. Standard (Lyophilized)                                  | 1 vial      |
| 2. Assay Buffer  | 22 mL       |
| 3. Antibody coated plate                                   | 96 wells    |
| 4. HRP conjugated antibody                                 | 250 $\mu$ L |
| 5. HRP dilution buffer                                     | 22 mL       |
| 6. Substrate solution                                      | 22 mL       |
| 7. Stop reagent (0.5mol/L H <sub>2</sub> SO <sub>4</sub> ) | 6 mL        |
| 8. Washing buffer concentrate                              | 40 mL       |

### SAMPLE PREPARATION



### ASSAY PROCEDURE



### PRODUCT INFORMATION

Product Code	Product Name	Quantity	Storage Condition
97751	Active Ghrelin ELISA Kit	96 tests	2 ~ 8°C
97752	Desacyl- Ghrelin ELISA Kit	96 tests	2 ~ 8°C

Please see Protocol for details.

Distributed by **SCETI K.K.**

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