

Recombinant Rat Ghrelin

Cat. No. Ghrl-47R Lot. No. (See product label)

SPECIFICATION

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| Species | Rat |
| Description | Ghrelin is a multifunctional peptide with functions that include the regulation of appetite as well as cardiovascular functions. |
| Form | Powder. Due to the nature of this material, it may coagulate at the bottom of the vial to form resinous droplets during storage. This change in appearance is not related to any deterioration in the quality of the product. |
| Molecular Mass | 3314.8 |
| Usage | For in vitro research use only. Not for use in diagnostics or in humans. |
| Notes | The n-Octanoyl group of the peptide is prone to detachment from the side chain of Ser3 if the aqueous solution is left at room temperature. |
| Storage | Powder: Store the undissolved peptide at -20°C. Solution: Prepare 100-200 µL aliquots and freeze at -20°C. The aqueous solution should be used within two weeks. |
| Warning | No warranties, expressed or implied, are made regarding the use of this product. Creative Biomart is not liable for any damage, personal injury, or economic loss caused by this product. |

GENE INFORMATION

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| Gene Name | Ghrl ghrelin/obestatin prepropeptide [<i>Rattus norvegicus</i>] |
| Official Symbol | Ghrl |
| Synonyms | GHRL; ghrelin/obestatin prepropeptide; appetite-regulating hormone; ghrelin; motilin-related peptide; growth hormone secretagogue; growth hormone-releasing peptide; |
| Gene ID | 59301 |
| mRNA Refseq | NM_021669 |
| Protein Refseq | NP_067701 |
| Pathway | Diabetes pathways, organism-specific biosystem; Disease, organism-specific biosystem; G alpha (q) signalling events, organism-specific biosystem; GPCR downstream signaling, organism-specific biosystem; Signal Transduction, organism-specific biosystem; Signaling by GPCR, organism-specific biosystem; Synthesis, Secretion, and Deacylation of Ghrelin, organism-specific biosystem; |
| Function | G-protein coupled receptor binding; ghrelin receptor binding; growth hormone-releasing hormone activity; hormone activity; protein tyrosine kinase activator activity; protein tyrosine kinase activator activity; |

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