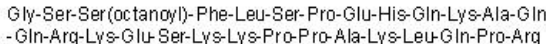


## Product datasheet

# Ghrelin (rat), Endogenous GHS agonist ab120231

[4 References](#) [2 Images](#)

### Overview

<b>Product name</b>	Ghrelin (rat), Endogenous GHS agonist
<b>Description</b>	Endogenous GHS agonist
<b>Biological description</b>	Endogenous agonist peptide for the ghrelin (GHS) receptor. Stimulates release of growth hormone from the pituitary gland and regulates feeding, growth and energy production.
<b>CAS Number</b>	258338-12-4
<b>Chemical structure</b>	

### Properties

<b>Molecular weight</b>	3314.83
<b>Molecular formula</b>	C <sub>147</sub> H <sub>245</sub> N <sub>45</sub> O <sub>42</sub>
<b>Sequence</b>	GSSFLSPEHQKAQQRKESKKPPAKLQPR (Modifications: Ser-2 = Cys(n-oct))
<b>PubChem identifier</b>	90479797
<b>Storage instructions</b>	Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12 months.
<b>Solubility overview</b>	Soluble in water
<b>Handling</b>	<p>Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one week. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.</p> <p>Need more advice on solubility, usage and handling? Please visit our <a href="#">frequently asked questions (FAQ) page</a> for more details.</p>
<b>Source</b>	Synthetic

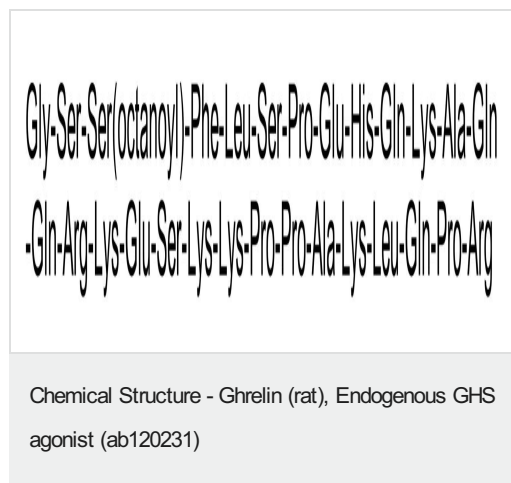
### Applications

The **Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab120231 in the following tested applications.

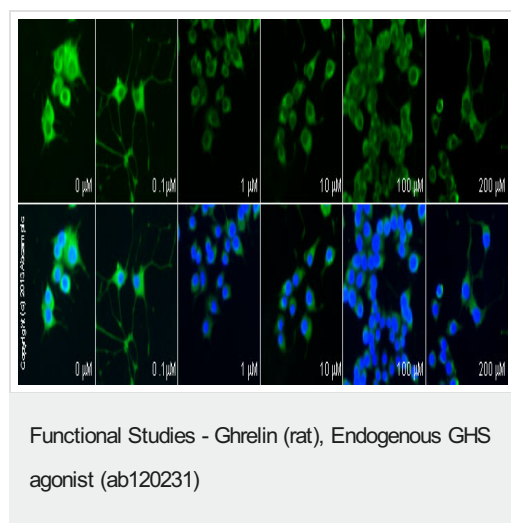
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Functional Studies		Use at an assay dependent concentration.

## Images



2D chemical structure image of ab120231, Ghrelin (rat),  
Endogenous GHS agonist



**ab6427** staining dopamine in PC12 cells treated with ghrelin (rat) (ab120231), by ICC/IF. Decrease in dopamine expression correlates with increased concentration of ghrelin, as described in literature.

The cells were incubated at 37°C for 10 minutes in media containing different concentrations of ab120231 (ghrelin) in DMSO, fixed with 100% methanol for 5 minutes at -20°C and blocked with PBS containing 10% goat serum, 0.3 M glycine, 1% BSA and 0.1% tween for 2h at room temperature. Staining of the treated cells with **ab6427** (1/200 dilution) was performed overnight at 4°C in PBS containing 1% BSA and 0.1% tween. A DyLight 488 goat anti-rabbit polyclonal antibody (**ab96899**) at 1/250 dilution was used as the secondary antibody. Nuclei were counterstained with DAPI and are shown in blue.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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