

Product datasheet

Recombinant Human Ghrelin protein ab89233

1 References 画像数 2

製品の概要

製品名	Recombinant Human Ghrelin protein
タンパク質長	Full length protein

製品の詳細

由来	Recombinant
由来	Escherichia coli
アミノ酸配列	
生物種	Human

特性

Our [Abpromise guarantee](#) covers the use of **ab89233** in the following tested applications.

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

アプリケーション	Western blot SDS-PAGE
精製度	> 90 % SDS-PAGE. ab89233 is purified using conventional chromatography techniques. Endotoxin: < 1.0 EU per 1 microgram of protein (determined by LAL method).
製品の状態	Liquid

前処理および保存

保存方法および安定性	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Preservative: None Constituents: 10% Glycerol, 20mM Tris HCl, pH 8.0
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関連情報

機能	Ghrelin is the ligand for growth hormone secretagogue receptor type 1 (GHSR). Induces the
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release of growth hormone from the pituitary. Has an appetite-stimulating effect, induces adiposity and stimulates gastric acid secretion. Involved in growth regulation. Obestatin may be the ligand for GPR39. May have an appetite-reducing effect resulting in decreased food intake. May reduce gastric emptying activity and jejunal motility.

組織特異性

Highest level in stomach. All forms are found in serum as well. Other tissues compensate for the loss of ghrelin synthesis in the stomach following gastrectomy.

配列類似性

Belongs to the motilin family.

翻訳後修飾

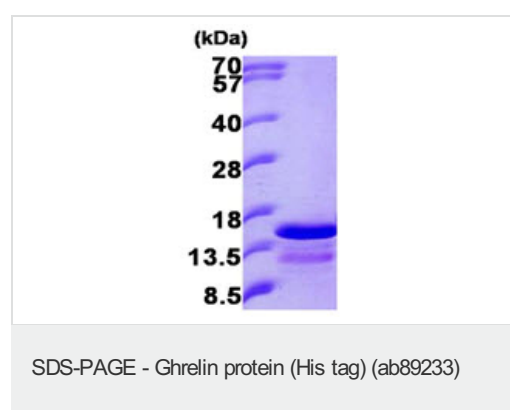
O-octanoylation or O-decanoylation is essential for ghrelin activity. The O-decanoylated forms Ghrelin-27-C10 and Ghrelin-28-C10 differ in the length of the carbon backbone of the carboxylic acid bound to Ser-26. A small fraction of ghrelin, ghrelin-28-C10:1, may be modified with a singly unsaturated carboxylic acid.

Amidation of Leu-98 is essential for obestatin activity.

細胞内局在

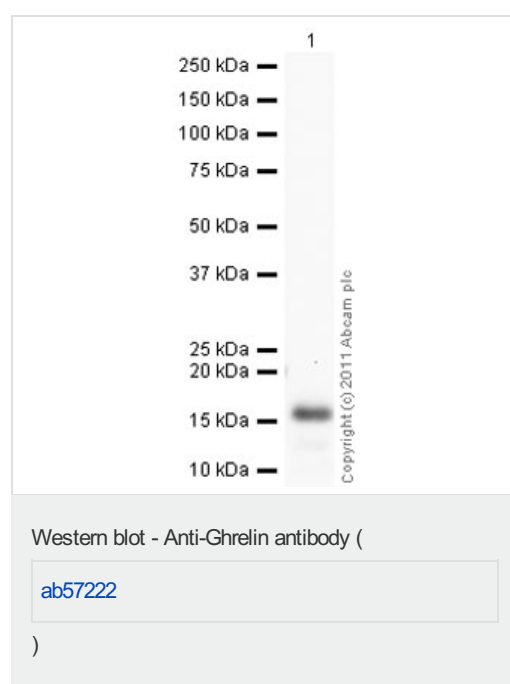
Secreted.

画像



15% SDS-PAGE showing ab89233 (3 μ g).

Note: Real molecular weight on SDS-PAGE is shifted up compared to predicted molecular weight.



Anti-Ghrelin antibody ([ab57222](#)) at 1 μ g/ml +
Recombinant Human Ghrelin protein
(ab89233) at 0.1 μ g

Secondary

Goat Anti-Mouse IgG H&L (HRP)
preadsorbed ([ab97040](#)) at 1/5000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 13 kDa

Exposure time: 2 minutes

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