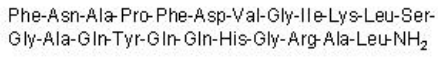
abcam

Product datasheet

Obestatin, endogenous peptide involved in feeding ab120071

2 Images

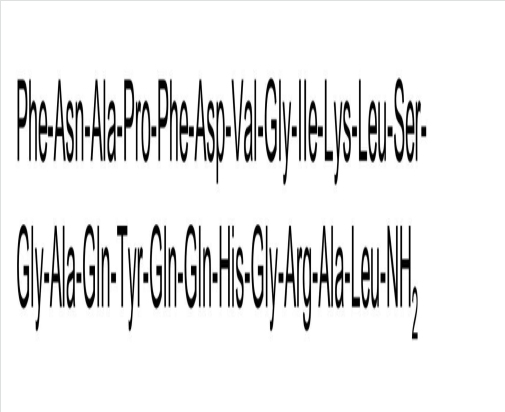
Overview

Product name	Obestatin, endogenous peptide involved in feeding
Description	Endogenous peptide involved in feeding
Biological description	Obestatin, a peptide encoded by the ghrelin gene that suppresses food intake. Binds to the orphan G-protein-coupled receptor GPR39.
CAS Number	869705-22-6
Chemical structure	

Properties

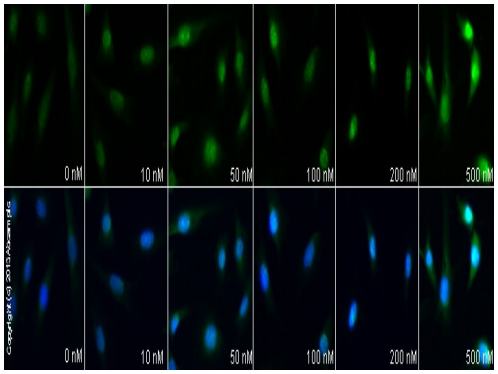
Molecular weight	2516.80
Molecular formula	$C_{114}H_{174}N_{34}O_{31}$
Sequence	FNAPFDVGIKLSGAQYQQHGRAL (Modifications: C-terminal amide)
PubChem identifier	16186202
Storage instructions	Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12 months.
Solubility overview	Soluble in water
Handling	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. Need more advice on solubility, usage and handling? Please visit our **frequently asked questions (FAQ) page** for more details.
Source	Synthetic

Images



Chemical Structure - Obestatin, endogenous peptide involved in feeding (ab120071)

2D chemical structure image of ab120071, Obestatin, endogenous peptide involved in feeding



Functional Studies - Obestatin, endogenous peptide involved in feeding (ab120071)

ab7963 staining c-Fos in NIH 3T3 cells treated with obestatin (ab120071), by ICC/IF. Increase in c-Fos expression correlates with increased concentration of obestatin, as described in literature. The cells were incubated at 37°C for 3h in media containing different concentrations of ab120071 (obestatin) in DMSO, fixed with 4% formaldehyde for 10 minutes at room temperature 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 **ab7963** (5 µg/ml) 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.

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