Yeasen Biotechnology (Shanghai) Co., Ltd.
Hotline:400-6111-883
E-mail: order@yeasen.com

HB220510

Recombinant Human Nesfatin-1 (Human Nesfatin-1)

Product Information

Product Name	Cat#	Size
Recombinant Human Nesfatin-1 (Human Nesfatin-1)	92568ES60	100 μg
	92568ES76	500 μg

Product Description

Nesfatin-1 (NEFA Encoded Satiety and Fat-influencing protein 1) is a secreted, 10 kDa peptide derived from the translation product of the NUCB2 gene. Human Nesfatin-1 shares 85% aa identity with mouse Nesfatin-1. It is a naturally occurring protein and originally identified as a hypothalamic neuropeptide. Additionally, Nesfatin can be found in other areas of brain, and in pancreatic isletsβ-cells, gastric endocrine cells and adipocytes. It is responsible for regulating appetite and production of body fat. Excess nesfatin-1 in the brain leads to a loss of appetite, less frequent hunger, a 'sense of fullness', and a drop in body fat and weight. A lack of nesfatin-1 in the brain leads to an increase of appetite, more frequent episodes of hunger, an increase of body fat and weight, and the inability to 'feel full'.

Product Properties

Synonyms	Nucleobindin 2
Accession	P80303
GeneID	4925
Source	E.coli-derived human Nesfatin-1 protein, Val25-Leu106.
Molecular Weight	Approximately 9.6 kDa.
AA Sequence	VPIDIDKTKV QNIHPVESAK IEPPDTGLYY DEYLKQVIDV LETDKHFREK LQKADIEEIK SGRLSKELDL VSHHVRTKLD EL
Tag	None
Physical Appearance	Sterile Filtered White lyophilized (freeze-dried) powder.
Purity	>95% by SDS-PAGE and HPLC analyses.
Biological Activity	The biological activity is tested by in vivo assay using healthy wild type male mice (C57BL/6J). Fully biologically active when compared to standard.
Endotoxin	< 1.0 EU per 1μg of the protein by the LAL method.
Formulation	Lyophilized from a 0.2 μm filtered concentrated solution in PBS, pH 7.4.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤ -20℃. Further dilutions should be made in appropriate buffered solutions.

Shipping and Storage

The products are shipped with ice pack and can be stored at -20℃ to -80℃ for 1 year.
Recommend to aliquot the protein into smaller quantities when first used and avoid repeated freeze-thaw cycles.

Cautions

1. Avoid repeated freeze-thaw cycles.
2. For your safety and health, please wear lab coats and disposable gloves for operation.

3. For research use only!