

**Recombinant Human Nesfatin-1**  
**Catalog # PBG10328****Specification**

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**Recombinant Human Nesfatin-1 - Product Information****Recombinant Human Nesfatin-1 - Additional Information****Description**

Nesfatin-1 is a metabolic polypeptide encoded in the N-terminal region of the precursor protein, Nucleobindin2 (NUCB2). Originally identified as a hypothalamic neuropeptide, Nesfatin-1 is also expressed in other areas of the brain, and in pancreatic islets $\beta$ -cells, gastric endocrine cells and adipocytes. Nesfatin-1 suppresses food intake and can regulate energy metabolism in a Leptin independent manner. Recombinant human Nesfatin-1 is a 9.7 kDa protein containing 82 amino acid residues.

**Biological Activity**

Determined by an in vivo assay using healthy wild type male mice (C57BL/6J). Mice were treated via intraperitoneal injection once at a dose of 4 $\mu$ g Nesfatin-1/gm of body weight. Significant effects on body weight and food consumption were observed relative to saline-treated controls.

**Authenticity**

Verified by N-terminal and Mass Spectrometry analyses (when applicable).

**Endotoxin**

Endotoxin level is <0.1 ng/  $\mu$ g of protein (<1EU/  $\mu$ g).

**Protein Content**

Verified by UV Spectroscopy and/or SDS-PAGE gel.

**Storage**

-20°C

**Precautions**

Recombinant Human Nesfatin-1 is for research use only and not for use in diagnostic or therapeutic procedures.

**Recombinant Human Nesfatin-1 - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)

- [Cell Culture](#)

## **Recombinant Human Nesfatin-1 - Images**