10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Recombinant Human Nesfatin-1
Catalog # PBG10328

Specification

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 isletsβ-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.

BiologicalActivity
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 4µg 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/ µg of protein (<1EU/ µg).

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 Cytomety

- Cell Culture

Recombinant Human Nesfatin-1 - Images