

## 32-20486: Recombinant Human Nesfatin-1(Discontinued)

### Description

**Source:** **E.coli** 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, 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.

### Product Info

**Amount :** 20 µg / 100 µg

**Purification :** Purity: >= 98% by SDS-PAGE gel and HPLC analyses.

**Content :** This recombinant protein is supplied in lyophilized form.

**Amino Acid :** VPIDIDKTKV QNIHPVESAK IEPDPTGLYY DEYLKQVIDV LETDKHFREK LQKADIEEIK SGRLSKELDL  
VSHHVRTKLD EL

### Application Note

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 µg Nesfatin-1/gm of body weight. Significant effects on body weight and food consumption were observed relative to saline-treated controls.