

Human Nesfatin-1 - Purified

Catalog No.:	AR31066PU-N
Quantity:	0.1 mg
Background:	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 β -cells, gastric endocrine cells and adipocytes. Nesfatin-1 suppresses food intake and can regulate energy metabolism in a Leptin independent manner.
Species:	Human
Source:	E. coli
Format:	State: Lyophilized (sterile filtered) protein. Purity: >98% by SDS-PAGE gel and HPLC analyses. Endotoxin Level: < 0.1 ng per μ g (1EU/ μ g) Reconstitution: Restore in Water to a concentration of 0.1-1.0 mg/ml
Description:	Recombinant Human Nesfatin-1 is a 9.7 kDa protein containing 82 amino acid residues. AA Sequence: VPIDIDKTKV QNIHPVESAK IEPPDTGLYY DEYLKQVIDV LETDKHFREK LQKADIEEEK SGRLSKELDL VSHHVRTKLD EL 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 μ g Nesfatin-1/gm of body weight. Significant effects on body weight and food consumption were observed relative to saline-treated controls. Molecular weight: 9.7 kDa (82 amino acids)
Add. Information:	Centrifuge vial before opening.
Storage:	Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing. Shelf life: one year from despatch.