

## Human Nesfatin-1 - Purified

<b>Catalog No.:</b>	AR31066PU-S
<b>Quantity:</b>	20 µg
<b>Background:</b>	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.
<b>Species:</b>	Human
<b>Source:</b>	E. coli
<b>Format:</b>	<b>State:</b> Lyophilized (sterile filtered) protein. <b>Purity:</b> >98% by SDS-PAGE gel and HPLC analyses. <b>Endotoxin Level:</b> < 0.1 ng per µg (1EU/µg) <b>Reconstitution:</b> Restore in Water to a concentration of 0.1-1.0 mg/ml
<b>Description:</b>	Recombinant Human Nesfatin-1 is a 9.7 kDa protein containing 82 amino acid residues. <b>AA Sequence:</b> VPIIDDKTKV QNIHPVESAK IEPPDTGLYY DEYLKQVIDV LETDKHFREK LQKADIEEIK SGRLSKELDL VSHHVRTKLD EL <b>Biological Activity:</b> 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. <b>Molecular weight:</b> 9.7 kDa (82 amino acids)
<b>Add. Information:</b>	Centrifuge vial before opening.
<b>Storage:</b>	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.