

## Human Nesfatin-1 ELISA Kit | NUCB2 elisa kit

Human Nesfatin-1 PicoKine ELISA Kit

CATALOG #  
**AAA45906**

REACTIVITY  
**Human**

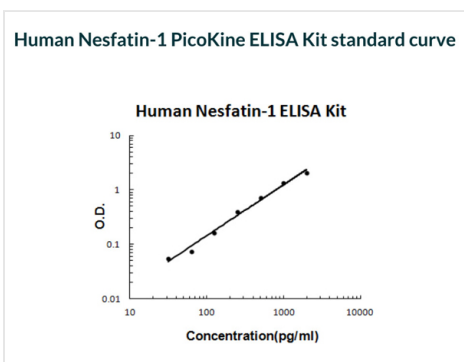
### PRODUCT SYNONYMS

Nesfatin-1; Human Nesfatin-1 PicoKine ELISA Kit; Nucleobindin-2; nucleobindin 2; DNA binding protein NEFA; DNA-binding protein NEFA; Gastric cancer antigen Zg4; NEFA; Nefastin 1; Nefastin-1; Nefastin1; Nucb2; NUCB2\_HUMAN; Nucleobinding 2; Prepronefastin; Prepronesfatin; NUCB2 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                            |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Human                                                                                                                      |
| Specificity             | Natural and recombinant Human NUCB2                                                                                        |
| Sequence Length         | 420                                                                                                                        |
| Samples                 | Cell culture supernatants and serum                                                                                        |
| Detection Range         | 31.2 pg/ml - 2,000 pg/ml                                                                                                   |
| Sensitivity             | <10 pg/ml                                                                                                                  |
| Intra-assay Precision   | Three samples of known concentration were tested on one plate to assess intra-assay precision.                             |
| Inter-assay Precision   | Three samples of known concentration were tested in separate assays to assess inter-assay precision.                       |
| Preparation and Storage | Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.) |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for NUCB2 elisa kit | <p>Background: Nesfatin-1 is a naturally occurring protein molecule produced by the brains of mammals. It is responsible for regulating appetite and production of body fat. Nesfatin-1 is a metabolic polypeptide encoded in the N-terminal region of the protein precursor, Nucleobindin2 (NUCB2). Recombinant human Nesfatin-1 is a 9.7 kDa protein containing 82 amino acid residues. Originally identified as a hypothalamic neuropeptide, Nesfatin-1 is also expressed in other areas of the brain, and in pancreatic islets of Langerhans, gastric endocrine cells and adipocytes. Nesfatin-1 plays a role in hunger and energy regulation in an independent manner.</p> <p>Principle of the Assay: The Picokine™ Human NUCB2 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid-phase immunoassay specially designed to measure Human NUCB2 with a 96-well strip plate that is pre-coated with antibody specific for NUCB2. The detection antibody is a biotinylated antibody specific for NUCB2. The capture antibody is monoclonal antibody from mouse and the detection antibody is polyclonal antibody from goat. The kit contains recombinant Human NUCB2 with immunogen: Expression system for standard: E.coli; Immunogen sequence: V25-L106. The kit is analytically validated with ready-to-use reagents. To measure Human NUCB2, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbounded ABC-HRP with PBS or TBS buffer and add TMB. TMB is an HRP substrate and will be catalyzed to produce a blue color product, which changes into yellow after adding the acidic stop solution. The absorbance of the yellow product at 450nm is linearly proportional to Human NUCB2 in the sample. Read the absorbance of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Human NUCB2 in the sample.</p> |
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NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                              |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 224471846                                                                                                                                                                    |
| NCBI GeneID                      | 4925                                                                                                                                                                         |
| UniProt Accession #              | P80303; Q8NFT5; A8K642; D3DQX5                                                                                                                                               |
| Molecular Weight                 | 50,201 Da                                                                                                                                                                    |
| NCBI Official Full Name          | Nucleobindin-2                                                                                                                                                               |
| NCBI Official Synonym Full Names | nucleobindin 2                                                                                                                                                               |
| NCBI Official Symbol             | NUCB2                                                                                                                                                                        |
| NCBI Official Synonym Symbols    | NEFA; HEL-S-109                                                                                                                                                              |
| NCBI Protein Information         | nucleobindin-2; nesfatin 1; nesfatin-1; pronefastin; pronefastin; nucleobinding 2; DNA-binding protein NEFA; gastric cancer antigen Zg4; epididymis secretory protein Li 109 |
| UniProt Protein Name             | Nucleobindin-2                                                                                                                                                               |
| UniProt Gene Name                | NUCB2                                                                                                                                                                        |
| UniProt Synonym Gene Names       | NEFA                                                                                                                                                                         |
| UniProt Entry Name               | NUCB2_HUMAN                                                                                                                                                                  |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/nucb2-human-elisa-kits/nesfatin-1/45906>