

CPA242Hu22 100µg

OVA Conjugated Nesfatin 1 (NES1)

Organism Species: Homo sapiens (Human)

Instruction manual

FOR IN VITRO USE AND RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

9th Edition (Revised in Jul, 2013)

[PROPERTIES]

Antigen: NES1-OVA

Residues: Synthetic Peptide

Predicted isoelectric point: 3.8

Predicted Molecular Mass: 2001.2Da

Purity: >95%

Endotoxin Level: <1.0EU per 1µg (determined by the LAL method).

Formulation: Supplied as lyophilized form in PBS.

Applications: SDS-PAGE; WB; ELISA; IP.

(May be suitable for use in other assays to be determined by the end user.)

[RELEVANCE]

Nesfatin-1 is a neuropeptide produced in the hypothalamus of mammals. It participates in the regulation of hunger and fat storage. Increased nesfatin-1 in the hypothalamus contributes to diminished hunger, a 'sense of fullness', and a potential loss of body fat and weight. Nesfatin-1 can cross the blood–brain barrier without saturation. The receptors within the brain are in the hypothalamus and the solitary nucleus, where nesfatin-1 is believed to be produced via peroxisome proliferator-activated receptors (PPARs). It appears there is a relationship between nesfatin-1 and cannaboid receptors. Nesfatin-1-induced inhibition of feeding may be mediated through the inhibition of orexigenic NPY neurons

[**USAGE**]

Reconstitute in sterile ddH₂O.

[**STORAGE AND STABILITY**]

Storage: Avoid repeated freeze/thaw cycles.

Store at 2-8°C for one month.

Aliquot and store at -80°C for 12 months.

Stability Test: The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.

[**SEQUENCES**]

The synthetic peptide's sequence is listed below.

SKELDLVSHHVRTLDEL