

Nesfatin-1, human recombinant protein**Nesfatin 1****Catalog # PBV10808r****Specification**

Nesfatin-1, human recombinant protein - Product info

Primary Accession

[P80303](#)

Calculated MW

9.7 kDa KDa**Nesfatin-1, human recombinant protein - Additional Info**

Gene ID

4925

Gene Symbol

NEFA**Other Names**

Nesfatin 1

Gene Source

Human

Source

E. Coli

Assay&Purity

SDS-PAGE; ≥98%

Assay2&Purity2

HPLC;

Recombinant

Yes

Sequence

**VPIDIDKTKV QNIHPVESAK IEPPDTGLYY
DEYLKQVIDV LETDKHFREK LQKADIEEIK
SGRLSKELDL VSHHVRTKLD EL****Target/Specificity**

Nesfatin-1

Application Notes

Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 mg/ml. Do not vortex. This solution can be stored at 2-8°C for up to 1 week. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein (example 0.1% BSA) and store in working aliquots at -20°C to -80°C.

Format

Lyophilized powder

Storage

-20°C; Sterile filtered through a 0.2 micron filter. Lyophilized from 0.1% TFA

Nesfatin-1, human recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)

- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Nesfatin-1, human recombinant protein - Images

Nesfatin-1, human recombinant protein - 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. Recombinant human Nesfatin-1 is a 9.7 kDa protein containing 82 amino acid residues.

Nesfatin-1, human recombinant protein - References

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Line A., et al. Br. J. Cancer 86:1824-1830(2002).
Yamada M., et al. Endocrinology 151:2494-2503(2010).
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