



Genemed Synthesis, Inc.
6203 Wood Lake Center Dr., Bldg. 2, San Antonio, TX 78244, USA
Toll free (800) 344-5337; **Phone:** (210) 745-5988; **Fax** (210) 745-5992
Email: info@genemedsyn.com, **Website:** www.genemedsyn.com

Product Data Sheet

Cat#: SP-100054-1

Description: Nesfatin-1 (human) [Val-Pro-Ile-Asp-Ile-Asp-Lys-Thr-Lys-Val-Gln-Asn-Ile-His-Pro-Val-Glu-Ser-Ala-Lys-Ile-Glu-Pro-Pro-Asp-Thr-Gly-Leu-Tyr-Tyr-Asp-Glu-Tyr-Leu-Lys-Gln-Val-Ile-Asp-Val-Leu-Glu-Thr-Asp-Lys-His-Phe-Arg-Glu-Lys-Leu-Gln-Lys-Ala-Asp-Ile-Glu-Glu-Ile- Lys-Ser-Gly-Arg-Leu-Ser-Lys-Glu-Leu-Asp-Leu-Val-Ser-His-His-Val-Arg-Thr-Lys-Leu-Asp-Glu-Leu M.W.:9551.8

Size: 1 mg

Purity: >95%

Form: Powder

Store: Desiccated at -20oC.

Nesfatin-1 is a naturally occurring protein molecule produced by the brains of mammals responsible for regulating appetite and production of body fat. Excess nesfatin-1 in the brain leads to a loss of appetite, less frequent hunger, a 'sense of fullness', and a drop in body fat and weight. A lack of nesfatin-1 in the brain leads to an increase of appetite, more frequent episodes of hunger, an increase of body fat and weight, and the inability to 'feel full.' The receptors within the brain are not completely understood, although they are thought to be contained in the hypothalamus and in the solitary nucleus, where nesfatin-1 is believed to be produced via peroxisome proliferator-activated receptors (PPARs). It appears there is also some unknown relationship between nesfatin-1 and cannaboid receptors; however, its precise mechanism and effect remain controversial. Nesfatin-1-induced inhibition of feeding may be mediated through the inhibition of orexigenic NPY neurons.

Related Products

SP-100054-1 Nesfatin-1 (human) [Val-Pro-Ile-Asp-Ile-Asp-Lys-Thr-Lys-Val-Gln-Asn-Ile-His-Pro-Val-Glu-Ser-Ala-Lys-Ile-Glu-Pro-Pro-Asp-Thr-Gly-Leu-Tyr-Tyr-Asp-Glu-Tyr-Leu-Lys-Gln-Val-Ile-Asp-Val-Leu-Glu-Thr-Asp-Lys-His-Phe-Arg-Glu-Lys-Leu-Gln-Lys-Ala-Asp-Ile-Glu-Glu-Ile- Lys-Ser-Gly-Arg-Leu-Ser-Lys-Glu-Leu-Asp-Leu-Val-Ser-His-His-Val-Arg-Thr-Lys-Leu-Asp-Glu-Leu M.W.:9551.8

SP-100055-1 Nesfatin-1 (mouse) [Val-Pro-Ile-Asp-Val-Asp-Lys-Thr-Lys-Val-His-Asn-Thr-Glu-Pro-Val-Glu-Asn-Ala-Arg-Ile-Glu-Pro-Pro-Asp-Thr-Gly-Leu-Tyr-Tyr-Asp-Glu-Tyr-Leu-Lys-Gln-Val-Ile-Glu-Val-Leu-Glu-Thr-Asp-Pro-His-Phe-Arg-Glu-Lys-Leu-Gln-Lys-Ala-Asp-Ile-Glu-Glu-Ile-Arg-Ser-Gly-Arg-Leu-Ser-Gln-Glu-Leu-Asp-Leu-Val-Ser-His-Lys-Val-Arg-Thr-Arg-Leu-Asp-Glu-Leu M.W.: 9611.87

SP-100056-1 Nesfatin-1 (rat) [Val-Pro-Ile-Asp-Val-Asp-Lys-Thr-Lys-Val-His-Asn-Val-Glu-Pro-Val-Glu-Ser-Ala-Arg-Ile-Glu-Pro-Pro-Asp-Thr-Gly-Leu-Tyr-Tyr-Asp-Glu-Tyr-Leu-Lys-Gln-Val-Ile-Glu-Val-Leu-Glu-Thr-Asp-Pro-His-Phe-Arg-Glu-Lys-Leu-Gln-Lys-Ala-Asp-Ile-Glu-Glu-Ile- Arg-Ser-Gly-Arg-Leu-Ser-Gln-Glu-Leu-Asp-Leu-Val-Ser-His-Lys-Val-Arg-Thr-Arg-Leu-Asp-Glu-Leu M.W.:9582.8

All peptides are for in vitro research use only.

SP-100054-1

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