

Recombinant Rat Nucleobindin 2

Cat. No. Nucb2-1959R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Nesfatin-1 (a.a. 25-106 of rat nesfatin-1) was expressed in <i>E. coli</i> , 8 kDa.
Species	Rat
Source	E.coli
ProteinLength	25-106 a.a.
Description	Nesfatin-1, a polypeptide produced by cleavage of the NEFA/nucleobindin-2 (NUCB2), is a secreted protein, expressed in the appetite-control hypothalamic nuclei. Nesfatin is involved in the regulation of the feeding behavior. Intracerebroventricular injection of nesfatin-1 reduces body weight in rats by affecting the animal food intake.
Reconstitution	Centrifuge the vial prior to opening. Reconstitute with sterile water to a concentration of 0.1-1 mg/ml. Further dilutions should be made with medium containing 0.2% BSA.
Endotoxin	<0.1 EU/μg purified protein (LAL test).
Purity	>95% by SDS-PAGE.
Form	Lyophilized from PBS.
Storage Conditions	The lyophilized protein should be stored desiccated below 0°C. Stable for 6 months.

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Reconstituted Nesfatin-1 should be stored in working aliquots at -20°C. Avoid freeze/thaw cycles.

GENE INFORMATION

Gene Name	Nucb2 nucleobindin 2 [Rattus norvegicus]
Synonyms	nucleobindin 2; p54; Nefa; Nucb2; NEFA; nucleobindin-2; DNA-binding protein NEFA
Gene ID	59295
mRNA Refseq	NM_021663
Protein Refseq	NP_067695
UniProt ID	Q9JI85
Chromosome Location	1q35
Function	DNA binding; calcium ion binding

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