
Product Data Sheet

Product Name: NUCB2 Human
 Cat. No.: GP24076
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped at Room temp.
Synonyms	Nucleobindin-2; DNA-binding protein NEFA; Gastric cancer antigen Zg4; NUCB2; NEFA; Nesfatin.		
Amino Acid Sequence	VPIDIDKTKV QNIHPVESAK IEPPDTGLYY DEYLKQVIDV LETDKHFREK LQKADIEEIK SGRLSKELDL VSHHVRTKLD EL.		
Solubility	It is recommended to reconstitute the lyophilized NUCB2 in sterile 18M-cm H ₂ O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.		
Formulation	The NUCB2 protein was lyophilized from a 0.2µm filtered concentrated solution in 16 ⁻ PBS, pH 7.4.		

Introduction

Nucleobindin-2 (also known as NUCB2 or Nesfatin) is a EF-hand calcium-binding protein. Nucleobindin-2 takes part in calcium homeostasis and is a multifunctional protein that interacts with Ca(2+) nucleic acids & various regulatory proteins in different signaling pathways. NUCB2 (Nesfatin) is localized in neuronal perikarya and dendrites of mouse brain.

Stability

Lyophilized NUCB2 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C . Upon reconstitution NUCB2 should be stored at 4°C between 2-7 days and for future use below -18°C .For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please prevent freeze-thaw cycles.

Background

The Recombinant Human NUCB2 (Nesfatin) produced in E.coli has a molecular mass of

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9.7kDa containing 82 amino acid residues of the human NUCB2.

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