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Datasheet for ABIN7319510 NUCB2 Protein

Overview

Quantity:	50 µg
Target:	NUCB2
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant

Product Details

Purpose:	Recombinant Human Nucleobindin-2/NUCB2 Protein
Sequence:	Val25-Leu106
Characteristics:	Recombinant Human Nucleobindin-2 is produced by our E.coli expression system and the target gene encoding Val25-Leu106 is expressed.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	NUCB2
Alternative Name:	Nucleobindin-2/NUCB2 (NUCB2 Products)
Background:	Background: Nesfatin-1 is a metabolic polypeptide encoded in the N-terminal region of the precursor protein, Nucleobindin2 (NUCB2). Nesfatin-1 is a neuropeptide produced in the hypothalamus of mammals. It participates in the regulation of hunger and fat storage. Nesfatin-1 is also expressed in other areas of the brain, and in pancreatic islets β-cells, gastric endocrine

Target Details

cells and adipocytes. Nesfatin-1 suppresses food intake and can regulate energy metabolism in a Leptin independent manner. Nesfatin-1 may also exert hypertensive roles and modulate blood pressure through directly acting on peripheral arterial resistance.

Synonym: Nucleobindin-2, DNA-binding protein NEFA, Gastric cancer antigen Zg4, Prepronesfatin, Nesfatin-1, NUCB2, NEFA

Molecular Weight: 9.6 kDa

UniProt: [P80303](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from a 0.2 µm filtered solution of 10 mM Sodium Phosphate, pH 6.5.

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.