

Recombinant Human Nucleobindin-2/NUCB2 Protein

Catalog No. PKSH033575

Description

Synonyms	Nucleobindin-2; DNA-binding protein NEFA; Gastric cancer antigen Zg4; Prepronesfatin; Nesfatin-1; NUCB2; NEFA
Species	Human
Expression_host	E.coli
Sequence	Val25-Leu106
Accession	P80303
Mol_Mass	9.6 kDa
AP_Mol_Mass	10 kDa

Properties

Purity	> 95% as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg as determined by the LAL method.
Storage	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks.Reconstituted protein solution can be stored at 4-7°C for 2-7 days.Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 µm filtered solution of 10mM Sodium Phosphate,pH6.5.
Reconstitution	Please refer to the printed manual for detailed information.

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 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.

SDS-PAGE

