Recombinant Human Nucleobindin-2/NUCB2 Protein

Catalog No. PKSH033575

Note: Centrifuge before opening to ensure complete recovery of vial contents.

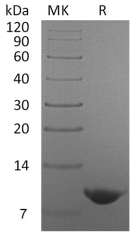
Description

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
Calculated Molecular Weight	9.6 kDa
Observed molecular weight	10 kDa
Tag	None
Bioactivity	Not validated for activity

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80℃. Reconstituted protein solution can be stored at 4-8℃ for 2-7 days. Aliquots of reconstituted samples are stable at < -20℃ 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. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

Background

Nesfatin-1 is a metabolic polypeptide encoded in the N-terminal region of the precursor protein, Nucleobindin2

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(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.

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