

Product Name: Recombinant Human Nucleobindin-2
Catalog #: PEH1245

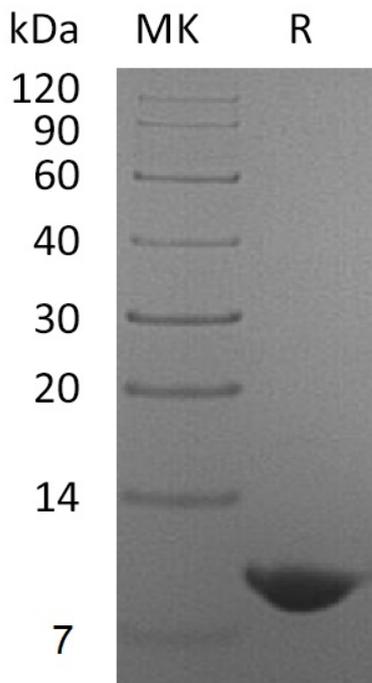


Summary

Name	Nucleobindin-2/Nesfatin-1
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	Recombinant Human Nucleobindin-2 is produced by our E.coli expression system and the target gene encoding Val25-Leu106 is expressed.
Accession #	P80303
Host	E.coli
Species	Human
Predicted Molecular Mass	9.6 KDa
Formulation	Lyophilized from a 0.2 μm filtered solution of 10mM Sodium Phosphate, pH 6.5.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Lyophilized protein should be stored at ≤ -20°C, stable for one year after receipt. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at ≤ -20°C for 3 months.
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

SDS-PAGE image

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Alternative Names

Nucleobindin-2; DNA-binding protein NEFA; Gastric cancer antigen Zg4; Prepronesfatin; Nesfatin-1; NUCB2; NEFA

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.

Note

For Research Use Only , Not for Diagnostic Use.