

Datasheet for ABIN987787

BNP Protein**2** Publications[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	BNP
Origin:	Human
Source:	Escherichia coli (E. coli)

Product Details

Sequence:	SPKMVQSGSGC FGRKMDRISS SSGLGCKVLR R
Purity:	> 97 % by SDS-PAGE and HPLC analyses.
Endotoxin Level:	Level Less than 1EU/µg of rHuBNP as determined by LAL method

Target Details

Target:	BNP
Abstract:	BNP Products
Background:	<p>Natriuretic Peptide Precursor B acts as a cardiac hormone with a variety of biological actions including natriuresis, diuresis, vasorelaxation, and inhibition of renin and aldosterone secretion. It is thought to play a key role in cardiovascular homeostasis. Helps restore the body's salt and water balance. Improves heart function. Synonym:. Formulation: Lyophilized from a 0.2µm filtered concentrated solution in PBS, pH 7.4.</p>
Molecular Weight:	3464 Da, a single non-glycosylated polypeptide chain containing 32 amino acids.
Pathways:	Hormone Activity

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at < -20°C. Further dilutions should be made in appropriate buffered solutions.

Storage: 4 °C

Publications

Product cited in: Moltzau, Aronsen, Meier, Skogestad, Ørstavik, Lothe, Sjaastad, Skomedal, Osnes, Levy, Qvigstad : "Different compartmentation of responses to brain natriuretic peptide and C-type natriuretic peptide in failing rat ventricle." in: **The Journal of pharmacology and experimental therapeutics**, Vol. 350, Issue 3, pp. 681-90, (2014) ([PubMed](#)).

Lu, Fu, Chen, Lu, Yao, Shen, Gu: "Multiplex detection of B-type natriuretic peptide, cardiac troponin I and C-reactive protein with photonic suspension array." in: **PLoS ONE**, Vol. 7, Issue 7, pp. e41448, (2012) ([PubMed](#)).