

NPPB

Recombinant Human Natriuretic Peptide Precursor B

Catalog No.	CRB702A	Quantity:	20 µg
	CRB702B		100 µg
	CRB702C		1.0 mg

Alternate Names: BNP brain type natriuretic peptide, natriuretic protein

Description: Recombinant Human BNP is a single non-glycosylated polypeptide chain containing 32 amino acids. Natriuretic Peptide Precursor B (BNP) 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.

Gene ID: 4879

Source: *E. coli*

Molecular Weight: 3.5 kDa

Formulation: Lyophilized from a 0.2 µm filtered concentrated solution in PBS, pH 7.4.

Purity: >97% by SDS-PAGE and HPLC analyses.

Endotoxin Level: Less than 0.1 ng/µg (IEU/µg) of Human BNP determined by LAL method.

Biological Activity: Data not available.

Amino Acid Sequence: SPKMQGSGC FGRKMDRISS SSGLGCKVLR RH

Reconstitution: **Centrifuge vial prior to opening.** Add sterile distilled water or aqueous buffer to a concentration of 0.1-1.0 mg/ml. Further dilutions should be made in appropriate buffered solutions.

Storage & Stability: This lyophilized preparation is stable at 2-4°C, but should be kept desiccated at -20°C for long term storage. Upon reconstitution, the preparation is stable for up to one week at 2 -4°C. For maximal stability, apportion the reconstituted preparation into working aliquots and store at -20°C to -80°C. **Avoid repeated freeze/thaw cycles.**

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