

Human BNP

CATALOG #:	4875-1000	1 mg
LOT #:	_____	
SYNONYMS:	NPPB, Natriuretic Peptide Precursor B, BNP, B-type Natriuretic Peptide	
SOURCE:	Synthetic	
PURITY:	> 98 % by SDS-PAGE and RP-HPLC analyses	
MOLECULAR WEIGHT:	3464 Dalton	
FORM:	Lyophilized without additives	

RECONSTITUTION:

Centrifuge the vial prior to opening. Reconstitute in sterile ddH₂O to a concentration ≥ 100 µg/ml. This solution can then be diluted into other aqueous buffers.

STORAGE CONDITIONS:

The lyophilized protein is best-stored desiccated at -20°C. The reconstituted BNP should be stored at 4°C for 2-7 days and at -20°C for future use. For long term storage it is recommended to add a carrier protein (0.1 % HSA or BSA) and store as working aliquots at -20°C.

DESCRIPTION:

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. It helps to restore the body's salt and water balance and improves heart function. B-type Natriuretic Peptide Human is a polypeptide chain containing 32 amino acids and having a molecular mass of 3464 Dalton.

AMINO ACID SEQUENCE:

SPKMQGSGCFGRKMDRISSSSGLGCKVLRH-OH

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