

Human BNP

CATALOG #:	4875-1000	1 mg
SYNONYMS:	NPPB, Natriuretic Peptide Precursor B, BNP, B-type Natriuretic Peptide	
SOURCE:	Synthetic	
PURITY:	> 98 % by SDS-PAGE and RP-HPLC analyses	
MOLECULAR WEIGHT:	3.464 kDa	
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:

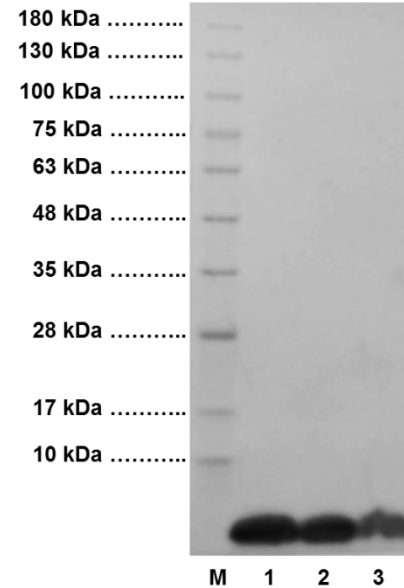
The lyophilized protein is best-stored desiccated at -20°C. The reconstituted BNP should be stored at 4°C for 2-7 days and at -20°C for future use. For long term storage it is recommended to add a carrier protein (0.1 % HSA or BSA) and store as working aliquots at -20°C.

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:

SPKMQGSGCFGRKMDRISSSSSGLGCKVLRH-OH

**4-20% SDS-PAGE of human BNP:**

M: Protein Marker
1: 20 µg Human BNP
2: 10 µg Human BNP
3: 5 µg Human BNP

4-20% SDS-PAGE of human BNP: 5, 10 and 20 µg of human BNP loaded in each lane under reducing conditions and stained with Coomassie Blue. Human BNP has a predicted MW of 3.46 kDa.

RELATED PRODUCTS:

- Proteins and Enzymes
- Antibodies and Related products

FOR RESEARCH USE ONLY! Not to be used in humans.