**Product information**

**BNP, 27-134aa**

**Human, His-tagged, Recombinant, *E.coli***

**Cat. No. IBBNP0801**

**Size: 0.5 mg**

**Size: 100 ug**

**Full name:** Brain natriuretic peptide (type B natriuretic peptide)  
**NCBI Accession No.:** NP_002512

**Synonyms:** NPPB, GC-B

**Description:** BNP (Brain natriuretic peptide) is a member of the natriuretic peptide family and encodes a secreted protein which functions as a cardiac hormone. BNP is a 32 amino acid polypeptide and is co-secreted along with a 76 amino acid N-terminal fragment which is biologically inactive. This protein has biological actions including natriuresis, diuresis, vasorelaxation, inhibition of renin and aldosterone secretion. It is thought to play a key role in cardiovascular homeostasis. A high concentration of this protein in the bloodstream is indicative of heart failure. Recombinant human BNP, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography techniques.

**Form:** Liquid in phosphate-Buffered Saline (pH 7.4), 20%glycerol

**Molecular Weight:** 14 kDa (129 aa)

**Purity:** >90% by SDS - PAGE

**Concentration:** 1 mg/ml (determined by Bradford assay)

**Endotoxin Level:** <1.0 EU per 1 μg of protein (determined by LAL method)

**Sequences of amino acids:**

MGSSHHHHHH SSGLVPRGSH MHPLGSPGSA SDEETSGLQE QRINHIQGKLS ELOVEQTSLE PLOESPRPTG VWKSREVATE GIRGHRKMVL YTLRAPRSPK MVQGSGCFGR KMDR1SSSSG LGCKVLARH

**General references:**


**WARNING:** This product is not intended or approved for human, diagnostics or veterinary use. Use of this product for human or animal testing is extremely hazardous and may result in disease, severe injury, or death.
WARNING: THIS PRODUCT IS NOT INTENDED OR APPROVED FOR HUMAN, DIAGNOSTICS OR VETERINARY USE. USE OF THIS PRODUCT FOR HUMAN OR ANIMAL TESTING IS EXTREMELY HAZARDOUS AND MAY RESULT IN DISEASE, SEVERE INJURY, OR DEATH.


**Storage:** Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.