



## Product Datasheet

<b>Product Name</b>	B-type Natriuretic Peptide Human Recombinant, His Tag
<b>Cata No</b>	CB501339
<b>Source</b>	<i>Escherichia Coli</i> .
<b>Synonyms</b>	NPPB, Natriuretic Peptide Precursor B, BNP, B-type Natriuretic Peptide.

### 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. Helps restore the body's salt and water balance. Improves heart function.

B-type Natriuretic Peptide Recombinant Human produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 129 amino acids and having a molecular mass of 14 kDa.

NPPB is purified by proprietary chromatographic techniques.

### Physical Appearance

Sterile Filtered colorless solution.

### Purity

Greater than 90.0% as determined by:

(a) Analysis by RP-HPLC.

(b) Analysis by SDS-PAGE.

### Formulation

Natriuretic Peptide Precursor B 1mg/ml is formulated with 1X PBS pH-7.4 and 20% glycerol.

### Stability

BNP although stable 4°C for 4 weeks, should be stored desiccated below -18°C.

For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).

**Please prevent freeze-thaw cycles.**

### Sequence

MGSSHHHHHH SSGLVPRGSH MHPLGSPGSA  
SDLETSGLQE QRNHLQGKLSLQVEQTSLE  
PLQESPRPTG VWKSREVATE GIRGHRKMVL  
YTLRAPRSPK MVQGSGCFGR KMDRISSSSG  
LGCKVLRRH.