

## NPPB

### Recombinant Human Natriuretic Peptide Precursor B

<b>Catalog No.</b>	CRB702A CRB702B CRB702C	<b>Quantity:</b>	2 µg 10 µg 1.0 mg
<b>Alternate Names:</b>	BNP		
<b>Description:</b>	Recombinant Human BNP is a single non-glycosylated polypeptide chain containing 32 amino acids.		
<b>GeneID:</b>	4879		
<b>Source:</b>	<i>E. coli</i>		
<b>Molecular Weight:</b>	3.5 kDa		
<b>Formulation:</b>	Lyophilized from a sterile filtered solution in PBS, pH 7.4.		
<b>Purity:</b>	>97% by SDS-PAGE and HPLC analyses.		
<b>Endotoxin Level:</b>	Less than 0.1 ng/µg (IEU/µg) of Human BNP.		
<b>Amino Acid Sequence:</b>	SPKMQGSGC FGRKMDRISS SSGLGCKVLR RH		
<b>Reconstitution:</b>	<b>Centrifuge vial prior to opening.</b> 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.		
<b>Storage &amp; Stability:</b>	Stable at 2-8°C, but best kept desiccated -20°C. Upon reconstitution, stable for up to 1 week at 2-8°C. For longer term, store in working aliquots below -20°C. <b>Avoid repeated freeze/thaw cycles.</b>		
<b>Background:</b>	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.		

**NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.**

