

## NPPB

### Synthetic Human Brain Natriuretic Peptide 32

<b>Catalog No.</b>	CSI19622A	<b>Quantity:</b>	500 µg
	CSI19622B		1.0 mg

**Alternate Names:** BNP-32, Natriuretic Peptide B

**Description:** Brain Natriuretic Peptide (BNP-32) is a 32-amino-acid polypeptide secreted by the ventricles of the heart in response to excessive stretching of myocytes (heart muscle cells) in the ventricles. At the time of release, a co-secreted 76 amino acid n-terminal fragment (NT-proBNP) is also released with B-type natriuretic peptide. B-type natriuretic peptide BNP binds to and activates NPRA in a similar fashion to atrial natriuretic peptide but with 10-fold lower affinity. The biological half-life of BNP however, is twice as long as that of ANP. Both ANP and BNP have limited ability to bind and activate NPRB.

**Gene ID:** 4879

**Source:** Synthetic

**Formulation:** Lyophilized Acetate Salt

**Purity:** >98%

**Amino Acid Sequence:** H-Ser-Pro-Lys-Met-Val-Gin-Gly-Ser-Gly-Cys-Phe-Gly-Arg-Lys-Met-Asp-Arg-Ile-Ser-Ser-Ser-Ser-Gly-Leu-Gly-Cys-Lys-Val-Leu-Arg-Arg-His-OH (disulfide bond)

**Storage & Stability:** Store at -20°C. **Avoid repeated freeze-thaw cycles.**

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

