

AR31130PU-S**Human Natriuretic peptides B (1-32)****Alternate names:**

BNP, Brain natriuretic peptide, Gamma-brain natriuretic peptide, NPPB, proBNP

Quantity:

0.1 mg

Background:

Endogenous peptide secreted from cardiac ventricles in response to volume increase and pressure overload that acts as an agonist at atrial natriuretic peptide (ANP) receptor A (NRP1). Decreases *de novo* collagen synthesis and increases MMP gene expression *in vitro*. Exhibits natriuretic, vasodilatory and lusitropic activity and inhibits the sympathetic and renin-angiotensin-aldosterone systems *in vivo*.

Uniprot ID:[P16860](#)**NCBI:**[NP_002512.1](#)**GenelD:**[4879](#)**Species:**

Human

Format:**State:** Purified peptide**Purity:** >95% by HPLC**Description:**

Human Brain natriuretic peptide (1-32).

Formula: C₁₄₃H₂₂₄N₅₀O₄₂S₄**AA Sequence:**

NH2 - SPKMQVQSGGCFGRKMDRISSSSGLGCKVLRH - OH

Molecular weight: 3466.06 Da**Storage:**

Upon receipt, store undiluted (in aliquots) at -20°C.

Avoid repeated freezing and thawing.

Shelf life: One year from despatch.