

BNP Human

Description: B-type Natriuretic Peptide Human is a polypeptide chain containing 32 amino acids and having a molecular mass of 3464 Dalton. The molecular formula is: C₁₄₃H₂₄₄N₅₀O₄₂S₄.

Catalog #: CYPs-376

Synonyms: NPPB, Natriuretic Peptide Precursor B, BNP, B-type Natriuretic Peptide.

For research use only.

Physical Appearance: Sterile Filtered White lyophilized (freeze-dried) powder.

Amino Acid Sequence: SPKMQGSGCFGRKMDRISSSSGLGCKVLRRH.

Purity: Greater than 95.0% as determined by RP-HPLC.

Formulation:

The protein was lyophilized without additives.

Stability:

Lyophilized B-type Natriuretic Peptide although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution B-type Natriuretic Peptide should be stored at 4°C between 2-7 days and for future use 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.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Solubility:

It is recommended to reconstitute the lyophilized B-type Natriuretic Peptide in sterile 18M-cm H₂O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Introduction:

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.

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