



Product Datasheet

Product Name	B-type Natriuretic Peptide Human Recombinant
Cata No	CB500229
Source	<i>Escherichia Coli.</i>
Synonyms	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 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 32 amino acids and having a molecular mass of 3464 Dalton. NPPB is purified by proprietary chromatographic techniques.

Physical Appearance

Sterile Filtered White lyophilized (freeze-dried) powder.

Purity

Greater than 95.0% as determined by:

- (a) Analysis by RP-HPLC.
- (b) Analysis by SDS-PAGE.

Formulation

Natriuretic Peptide Precursor B was lyophilized from 0.4ml PBS buffer containing 20mM phosphate buffer and 0.6mM sodium chloride.

Stability

Lyophilized B-type Natriuretic Peptide although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution NPPB 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.

Sequence

SPKMQGSGCFGRKMDRISSSSGLGCKVLRHH