

**B-type Natriuretic Peptide Human Recombinant**

Catalogue Number	IY-327
Synonyms	NPPB, Natriuretic Peptide Precursor B, BNP, B-type Natriuretic Peptide.
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.
Patent Rights	The sale and/or commercial use of Recombinant Adiponectin is prohibited in the United States of America (U.S.A).
Description	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.
Source	Escherichia Coli.
Physical Appearance	Sterile Filtered White lyophilized (freeze-dried) powder.
Formulation	Natriuretic Peptide Precursor B was lyophilized from 0.4ml PBS buffer containing 20mM phosphate buffer and 0.6mM sodium chloride.
Solubility	It is recommended to reconstitute the lyophilized B-type Natriuretic Peptide in sterile 18MΩ-cm H <sub>2</sub> O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
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.
Purity	Greater than 95.0% as determined by(a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
Amino acid sequence	SPKMQGSGCFGRKMDRISSSGLGCKVLRH
Usage	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.