

## 32-6316: NT-proBNP Human

**Alternative Name :** NPPB, Natriuretic Peptide Precursor B, BNP, B-type Natriuretic Peptide.

### Description

Source: Escherichia Coli.

Sterile Filtered White lyophilized (freeze-dried) powder.

Natriuretic Peptide Precursor B acts as a cardiac hormone with a variety of biological actions including natriuresis, vasorelaxation, diuresis and inhibition of renin and aldosterone secretion. BNP plays a key role in cardiovascular homeostasis. BNP also helps restore the body's salt and water balance and improves heart function.

NT-Pro-B-type Natriuretic Protein Human Recombinant produced in E.Coli is a non-glycosylated polypeptide chain containing 76 amino acid and having a molecular mass of approximately 8.5kDa. NT-proBNP is purified by proprietary chromatographic techniques.

### Product Info

**Amount :** 10 µg / 50 µg

**Purification :** Greater than 98.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.  
Lyophilized from a 0.2µm filtered concentrated solution in 20mM Tris-HCl, pH 8.0 and 150mM NaCl.

**Content :** It is recommended to reconstitute the lyophilized NT-Pro-B-type Natriuretic Protein in sterile 18M Omega -cm H<sub>2</sub>O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

**Storage condition :** Lyophilized NT-proBNP although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution NT-Pro-B-type Natriuretic Protein should be stored at 4°C between 2-7 days and for future use below -18°C. Please prevent freeze-thaw cycles.

**Amino Acid :** HPLGSPGSAS DLETSGQLQEQ RNHLQGKLSE LQVEQTSLEP LQESPRPTGV WKSREVATEG IRGHRKMOVLY TLRAPR.