



**Product name** Human NT-proBNP



**Catalog number** BN045550

**Uniprot ID** P16860

## Product description

The N-terminal part of the human brain natriuretic peptide (BNP) precursor proBNP (NT-proBNP) is widely used as a diagnostic biomarker for heart failure (1).

**Synonyms:** Natriuretic peptides B, Gamma-brain natriuretic peptide

## Protein sequence

GHPLGSPGSASDLETSGLQEQRNHLQGLKSELQVEQTSLEPLQESPRPTGVVKSREVATEGIRGHRKMLVLYTLRAPRSPKMQGSGCFGRK  
MDRISSSSGLGCKVLRHH

## Product features and protocols



Purity

>90%  
as determined by SDS-PAGE



SDS-PAGE gel analysis of NT-proBNP protein in Reducing/Heated conditions (RH)  
Stained with Coomassie blue.

## Other features

Predicted MW	8.51 kDa
Expression System	E.coli
Purification Tag	No tag
Protein content	Determined by Bradford assay with BSA as standard
Formulation	Lyophilized from 50 mM NaP buffer pH 7.5

## Product preparation

For product preparation we recommend the following steps:

1. Briefly centrifuge the tube before opening
2. Reconstitute by adding the appropriate volume of ultrapure water for a final concentration of 200 µg/ml (e.g. 50 µl for 10 µg or 250 µl for 50 µg conditioning)
3. Vortex gently to insure complete dissolution
4. Wait 15 minutes at Room temperature before proceeding further
5. Vortex gently again and centrifuge briefly

## Product storage

The product is lyophilized and shipped at room temperature. **Store at -80 °C upon receipt.**

After reconstitution, the protein can be preserved at 4°C for a few weeks.

### Avoid multiple freeze-thaw cycles



**The product is intended for research use only. Not for diagnostic or therapeutic use.**

1. Paul M McKie, John C Burnett Jr, NT-proBNP: The Gold Standard Biomarker in Heart Failure J Am Coll Cardiol. 2016 Dec 6;68(22):2437-2439.