

PrimeGene Technical DataSheet

Catalog Number:	107-25
Source:	<i>Escherichia coli</i>
Molecular Weight:	Approximately 8.5 kDa, a single non-glycosylated polypeptide chain containing 76 amino acids.
Size:	100µg/ 500µg/ 1mg
AA Sequence:	HPLGSPGSAS DLETSGLQEQ RNHLQGKLSLQVEQTSLEP LQESPRPTGV WKSREVATEG IRGHRKMVLY TLRAPR
Purity:	> 98 % by SDS-PAGE and HPLC analyses.
Biological Activity:	Bioassay data are not available.
Physical Appearance:	Sterile Filtered White lyophilized (freeze-dried) powder.
Formulation:	Lyophilized from a 0.2 µm filtered concentrated solution in 20mM Tris, 150mM NaCl, 3% Sucrose, 0.04% Tween 80, pH8.0.
Endotoxin:	Less than 0.1 EU/µg of rHuNT-pro-BNP as determined by LAL method.
Reconstitution:	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/ml. Stock solutions should be apportioned into working aliquots and stored at ≤ -20 °C. Further dilutions should be made in appropriate buffered solutions.
Shipping:	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage:	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none">● 12 months from date of receipt, -20 to -70 °C as supplied.● 1 month, 2 to 8 °C under sterile conditions after reconstitution.● 3 months, -20 to -70 °C under sterile conditions after reconstitution.
Usage:	This material is offered by Shanghai PrimeGene Bio-Tech for research, laboratory or further evaluation purposes. NOT FOR HUMAN USE.

Human NT-pro-BNP

Brain-type Natriuretic Peptide (BNP) is a nonglycosylated peptide that is produced predominantly by ventricular myocytes and belongs to the natriuretic peptide family. Proteolytic cleavage of the 12 kDa BNP precursor gives rise to N-terminal Pro-BNP (NT-pro-BNP) and mature BNP. Plasma NT-proBNP is a marker for congestive heart failure, while mature BNP (aa 103-134) promotes vasodilation and fluid and sodium excretion. Human BNP precursor shares 29% and 51% aa sequence identity with mouse and porcine BNP precursor, respectively.