

Human NT-proBNP (recombinant)

Description:

Recombinant form of **human NT-pro BNP** (N-Terminal Pro-B-Type Natriuretic Peptide) which is produced in *Escherichia coli*. The expression construct contains **residues 27 to 102** of UniProt entry [P16860](#) with the following **substitution: H27A**. The exchange of histidine to alanine facilitates the removal of a preceding N-terminal methionine by *E. coli* Methionine aminopeptidases (MetAP) [1]. The identity of the Ala27 N-terminus is confirmed by N-terminal sequencing (Edman degradation).

The recombinant protein is produced with an *E. coli* expression system and purified using affinity chromatography.

Product-ID:	RP_003
Expression System:	<i>E. coli</i>
Protein Accession Number:	P16860
Amino Acids:	Ala27-Arg102
Mutations:	H27A
Mature Protein N-Term:	Ala (N-terminal sequencing)
Tag:	none
Expected Molecular Weight:	8.39 kDa
Formulation:	dried from sodium acetate pH 7.0
Purity:	≥ 95 % (via CGE under reducing conditions)

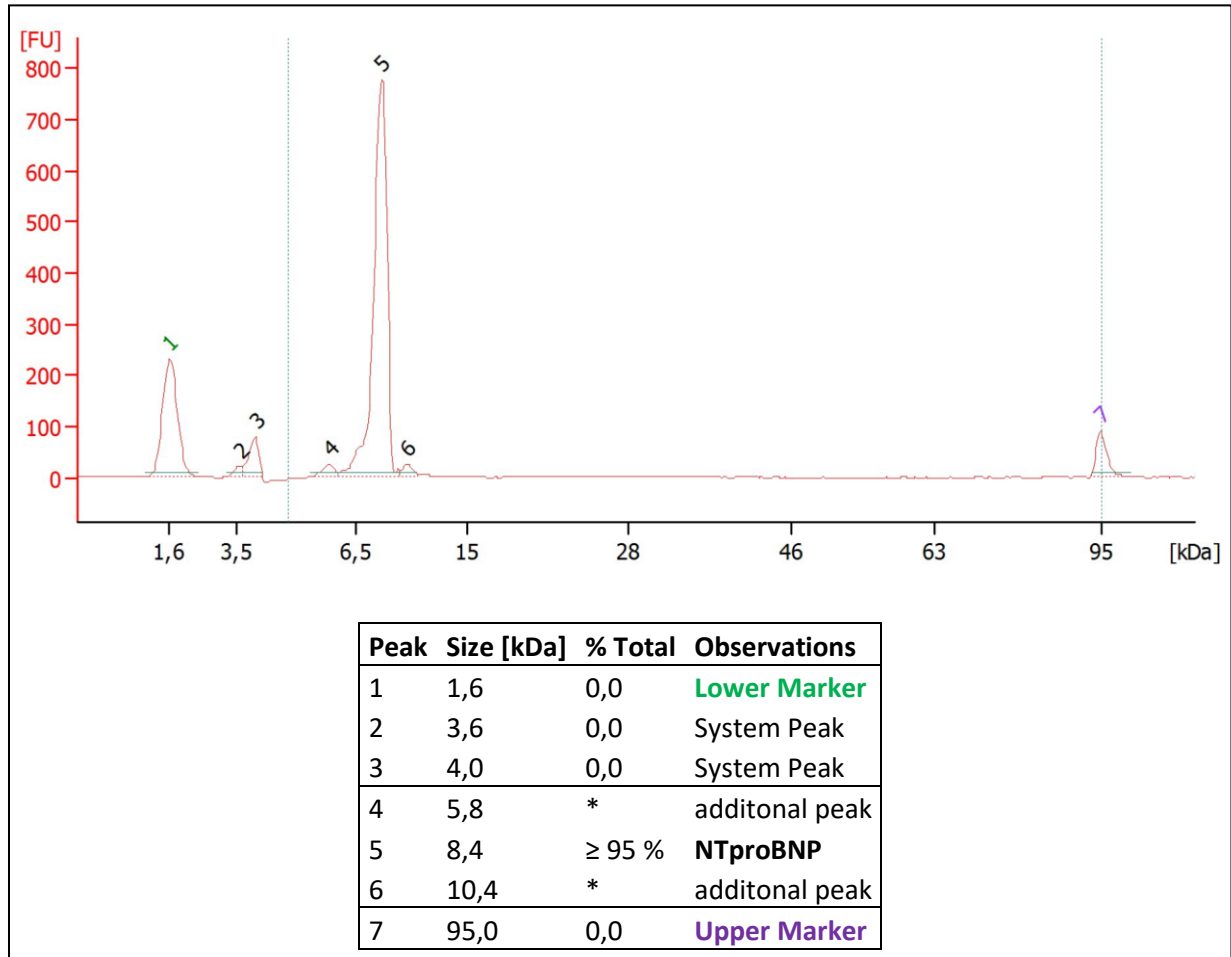
The product is for research use or for further manufacturing only.

Literature:

- [1] Q. Xia et al. "Protein N-terminal processing: substrate specificity of *Escherichia coli* and human methionine aminopeptidases" *Biochemistry*, vol. 49, no. 26, pp. 5588-99, 2010. PMID: [20521764](#)

Human NT-proBNP (recombinant) — Supplementary Data

CGE:



CGE under reducing conditions. *Sum of % Total of additional peaks is ≤ 5 %.