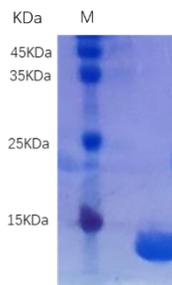


Specification

Product name:	Recombinant human NT-ProBNP antigen
Source:	<i>E.coli</i> derived
Accession #:	P16860
SDS-PAGE:	11 kDa, reducing conditions
Construction:	NT-ProBNP with 6His tag at N-terminal
Predicted Molecular Mass:	14kDa
Activity:	Immunoreactivity was confirmed by reacting with monoclonal antibodies specific to human NT-ProBNP.
Application:	ELISA, immunology, others unspecified.
Form:	Liquid
Formulation:	20 mM Tris, 300 mM NaCl, pH 8.0
Stability & Storage:	Stable at -80°C
Shipping condition:	The product is shipped on ice pack. Upon receiving, store it immediately at the recommended temperature.
Conc. Determined:	BCA
Purity:	>90%

SDS-PAGE



Greater than 90% as determined by reducing SDS-PAGE. (QC verified). |

BACKGROUND

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-proBNP) and mature BNP. N-terminal proB-type natriuretic peptide (NT-proBNP), a useful marker of heart failure (HF), is considered to be secreted mainly from the ventricle, increased serum NT-proBNP levels are also encountered in conditions such as atrial fibrillation (AF) and atrial septal defect in patients without HF.

References:

1. NT-proBNP plasma levels as early predictor of ventilatory support in bronchiolitis: A prospective analysis.
2. NT-proBNP and neurologic outcomes in comatose survivors of out-of-hospital cardiac arrest.
3. Rapid and label-free detection of BNP and NT-proBNP in human serum using Ti-doped MoTex film-based extended-gate FET biosensors for heart failure diagnosis.
4. Prognostic value of NT-proBNP monitoring in patients with left ventricular assist devices.