Recombinant Human Brain Natriuretic Peptide/NT-proBNP Protein

Catalog No.: RP00703

www.abclonal.com

Sequence Information

Species
Human

Gene ID
4879

Swiss Prot
P16860

Tags
C-hFC

Synonyms
NPPB,BNP

Product Information

Source
HEK293 cells

Purification
≥ 95 % as determined by SDS-PAGE.

Calculated MW
34.60 kDa

Observed MW
35-60 kDa

Endotoxin
< 0.01 EU/μg of the protein by LAL method

Formulation
Lyophilized from a 0.2 μm filtered solution of PBS, pH7.4.Contact us for customized product form or formulation.

Reconstitution
Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Background

Brain-type Natriuretic Peptide (BNP) is a nonglycosylated peptide that is produced predominantly byventricular myocytes and belongs to the natriuretic peptide family. Proteolytic cleavage of the 12 kDa BNPprecursor gives rise to N-terminal Pro BNP (NT-proBNP) and mature BNP. N-terminal proB-type natriureticpeptide (NT-proBNP), a useful marker of heart failure (HF), is considered to be secreted mainly from theventricle, increased serum NT-proBNP levels are also encountered in conditions such as atrial fibrillation (AF)and atrial septal defect in patients without HF.

Basic Information

Description
Recombinant Human Brain Natriuretic Peptide/NT-proBNP Protein Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (His27-Pro104) of human Brain Natriuretic Peptide/BNP (Accession #P16860) fused with a hFC tag at the C-terminus.

Activity

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -20℃

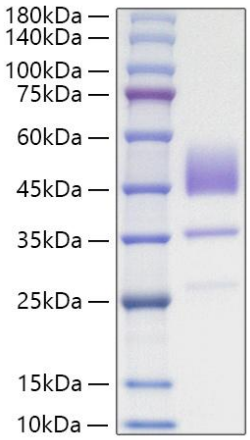
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

400-999-6126
cn.market@abclonal.com.cn
www.abclonal.com.cn

For research use only. Not for therapeutic or diagnostic purposes.
Please visit http://abclonal.com for a complete listing of recommended products.

Validation Data



Recombinant Human Brain Natriuretic Peptide/NT-proBNP Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.