BioVendor - Laboratorní medicína a.s.
Karásek 1767/1
621 00 Brno

Date of issue: 24.11.2017

PRODUCT DATASHEET

Natriuretic Peptides B Human E. coli

Cat. No.: RD172486100
Type: Recombinant
Size: 0.1 mg
Source: E. coli
Species: Human

Description
Total 83 AA. MW: 9.4 kDa (calculated). UniProtKB acc. no. P16860 (His27–Arg102). N-terminal His-tag (7 extra AA). Protein identity confirmed by LC-MS/MS.

Other names
N-terminal Prohormone of Brain Natriuretic Peptide

Introduction to the molecule

Research topic
Cardiovascular disease

Amino Acid sequence
MKHHHHHHPL GSPGSASDLE TSGLQEQRNH LQGKLSELQV EQTSLEPLQE SPRPTGVWKS REVATEGIRG HRKMVLYTLR APR

Purity
Purity as determined by densitometric image analysis: >95%

Endotoxin
< 0.1 EU/µg

Formulation:
Filtered (0.4 µm) and lyophilized from 0.5 mg/ml solution in 20 mM Tris buffer, 50 mM NaCl, pH 7.5.

Reconstituion:
Add 200 µl of deionized water to prepare a working stock solution of approximately 0.5 mg/ml and let the lyophilized pellet dissolve completely. Filter sterilize your culture media/working solutions containing this non-sterile product before using in cell culture.

Shipping
At ambient temperature. Upon receipt, store the product at the temperature recommended below.

Storage, Stability/Shelf Life
Store the lyophilized protein at –80 °C. Lyophilized protein remains stable until the expiry date when stored at –80 °C. Aliquot reconstituted protein to avoid repeated freezing/thawing cycles and store at –80 °C for long term storage. Reconstituted protein can be stored at 4 °C for a week.

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Quality control

BCA to determine quantity of the protein.

SDS PAGE to determine purity of the protein.

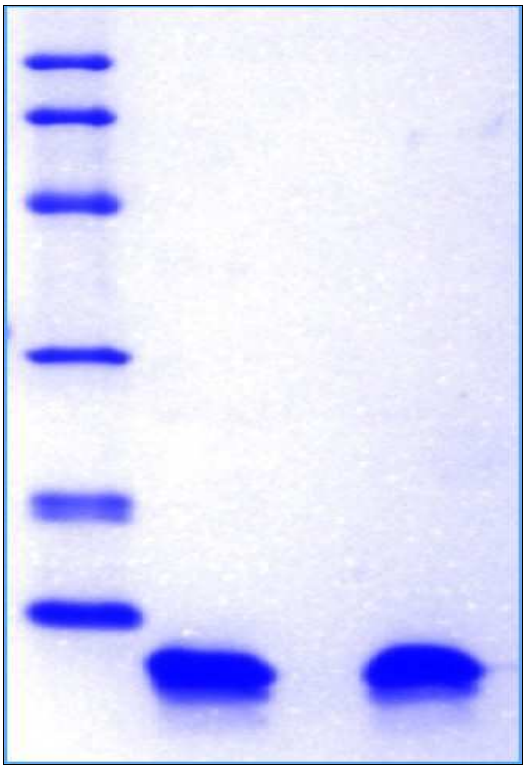
LAL to determine quantity of endotoxin.

Applications

ELISA, Western blotting

Note

This product is intended for research use only.



12 % SDS-PAGE separation of Human Natriuretic peptides B (E.coli):
1. M.W. marker – 14, 21, 31, 45, 66, 97 kDa
2. Reduced and boiled sample, 2.5 µg/lane
3. Non-reduced and non-boiled sample, 2.5 µg/lane

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