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

Date of issue: 24.08.2018

PRODUCT DATASHEET

Proprotein Convertase Subtilisin/Kexin Type 9 Human HEK293

Cat. No.: RD172473100
Type: Recombinant protein
Size: 0.1 mg
Source: HEK293
Species: Human

Description
Total 672 AA. MW: 72.4 kDa (calculated). UniProtKB acc. No. Q8NBP7 (Gln31–Gln692). C-terminal His-tag (10 extra AA). Protein identity confirmed by LC-MS/MS.

Other names
Neural apoptosis-regulated convertase 1, NARC-1, Proprotein convertase 9, PC9, Subtilisin/kexin-like protease PC9, PCSK9

Introduction to the molecule

Amino Acid sequence
QEDEDGDYEELVLALRSEEDGLAEAPEHGTTATFHRCAKDPWRLPGTYVVVLKEETHLSQSERTARRLQAQAARRGYLTKILHVFHGLLPGFLVKMSGD

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

Endotoxin
< 1.0 EU/µg

Formulation:
0.25–0.70 mg/ml solution in phosphate buffered saline, 20 % (w/v) glycerol, filtered (0.4 µm), frozen.

Reconstituion:
Defrost at ambient temperature.Filter sterilize your culture media/working solutions containing this non-sterile product before using in cell culture.

Shipping
On ice. 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 three days.

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Quality control

BCA to determine quantity of the protein.

SDS PAGE to determine purity of the protein.

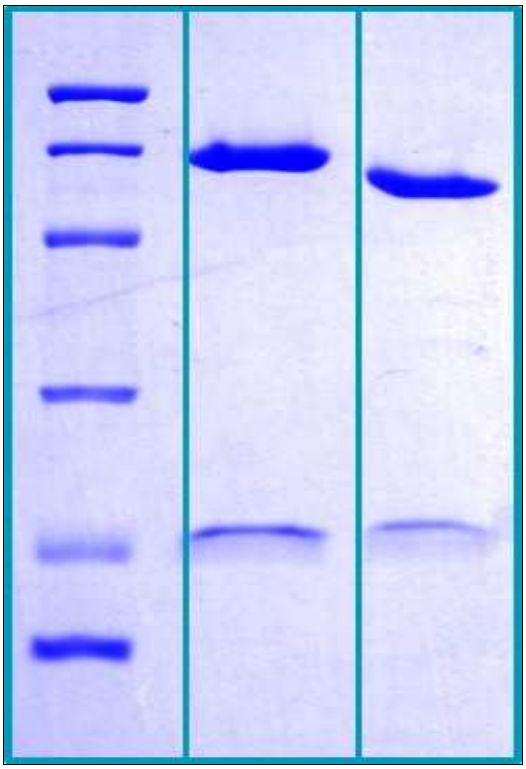
LAL to determine quantity of endotoxin.

Applications

Cell culture and/or animal studies, ELISA, Western blotting

Note

This product is intended for research use only.



12 % SDS-PAGE separation of Human PCSK9 (HEK):
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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