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

Date of issue: 19.12.2017

PRODUCT DATASHEET

sPLA2-X Human E. coli

Cat. No.: RD172065025
Type: Recombinant
Size: 0.025 mg
Source: E. coli
Species: Human

Description
Total 139 AA. MW: 15.5 kDa (calculated). UniProtKB acc.no. O15496. N-Terminal His-tag, 16 extra AA (highlighted).

Other names
Group 10 secretory phospholipase A2, Group X secretory phospholipase A2, GX sPLA2, Phosphatidylcholine 2-acylhydrolase 10, PLA2G10

Introduction to the molecule

Amino Acid sequence
MRGSHHHHHH GMASHMGILE LAGTVGCVGP RTPIAYMKYG CFCGLGGHGQ PRDAIDWCCH GHDCCYTRAE EAGCSPKTER YSWQCVNQSV LCGPAENKCQ ELLCKCDQEI ANCLAQTEYN LKYLFYPQFL CEPDSPKCD

Purity
>95%

Endotoxin
< 1.0 EU/ug

Formulation:
Filtered (0,4 µm) and lyophilized in 0.5 mg/mL in 0.01 M Tris buffer pH 7.2.

Reconstituion:
Add 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.

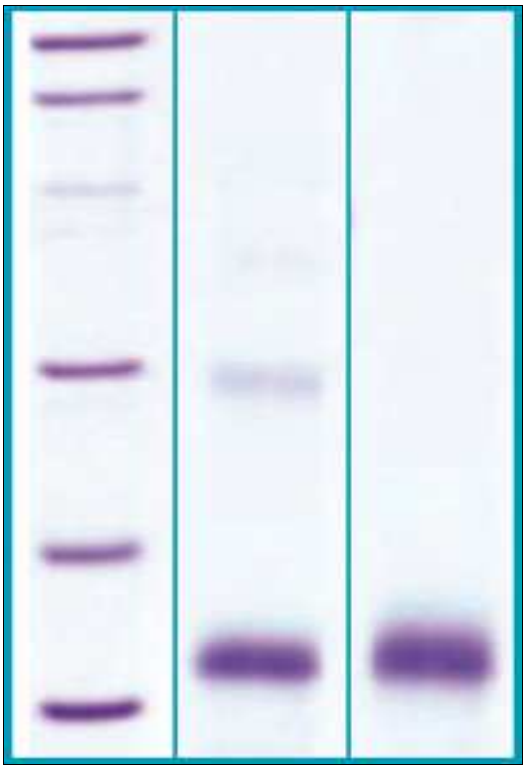
LAL to determine quantity of endotoxin.

Applications

Western blotting

Note

This product is intended for research use only.



12% SDS-PAGE separation of Human sPLA2-X
1. M.W. marker – 14, 21, 31, 45, 66, 97 kDa
2. reduced and heated sample, 5µg/lane
3. non-reduced and non-heated sample, 5µg/lane

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