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

Date of issue: 17.09.2018

PRODUCT DATASHEET

sPLA2-IID Human E. coli

Cat. No.: RD172067100
Type: Recombinant protein
Size: 0.1 mg
Source: E. coli
Species: Human

Description
Total 141 AA. MW: 16.4 kDa (calculated). UniProtKB acc.no. Q9UNK4. N-Terminal His-tag, 16 extra AA (highlighted).

Other names
Group IID secretory phospholipase A2, GIID sPLA2, PLA2IID, Phosphatidylcholine 2-acylhydrolase 2D, Secretory-type PLA, stroma-associated homolog, PLA2G2D, SPLASH

Introduction to the molecule

Amino Acid sequence
MRGSHHHHHH GMASHMGILN LNKMVKQVTG KMPILSYWPY GCHCGLGGRG QPKDATDWCC QTHDCCYDHL KTQGCGIYKD YYRYNFSQGN IHCSDKGSWC EQQLCACDKE VAFCLKRNLD TYQKRLRFYW RPHCRGQTPG C

Purity
>95%

Endotoxin
< 1.0 EU/ug

Formulation:
Filtered (0.4 µm) and frozen from 0.3–0.8 mg/mL solution in 0.03M Acetate buffer pH=4.0 containing 20% (w/v) glycerol.

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 protein at –80°C. Protein remains stable until the expiry date when stored at –80°C. Avoid repeated freezing/thawing cycles. The thawed 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.

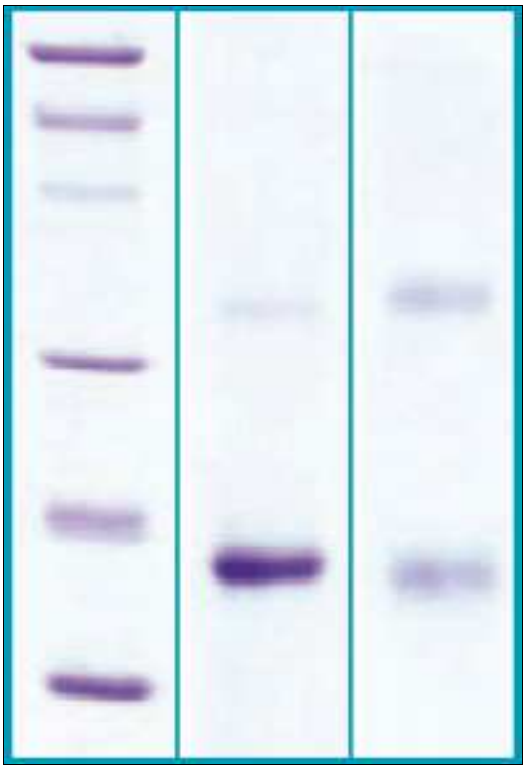
LAL to determine quantity of endotoxin.

Applications

Western blotting

Note

This product is intended for research use only.



12% SDS-PAGE separation of Human sPLA2-IID
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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