sPLA2-IB Human E. coli

Product Data Sheet

Type: Recombinant
Source: E. coli
Species: Human
Other names: Group IB phospholipase A2, Phosphatidylcholine 2-acylhydrolase 1B, PLA2G1B, PLA2, PLA2A, PPLA2

Cat. No.:
RD172055100 (0.1 mg)

Description

Total 142 AA. MW: 16 kDa (calculated). UniProtKB acc.no. P04054. N-Terminal His-tag, 16 extra AA (highlighted).

Amino Acid Sequence

MRGSHHHHHH GMASHMAVWQ FRKMIKCVIP GSDPFLEYNN YGCYCGLGGS GTPVDELDKC CQTHDNCYDQ AKKLDSCKFL LDNPYTHTYS YSCSGSAITC SSKNKECEAF ICNCDRNAAI CFSKAPYNKA HKNLDTKKYC QS

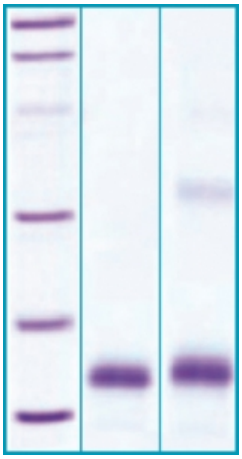
Source

E. coli

Purity

>95%

SDS-PAGE gel



12% SDS-PAGE separation of Human sPLA2-IB
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

Endotoxin

<1.0 EU/ug

Formulation

Filtered (0.4 µm) and lyophilized in 0.5 mg/mL in 0.05M Acetate buffer pH=4.0

Reconstitution

Add 0.1M Acetate buffer pH4 to prepare a working stock solution of approximately 0.5 mg/mL and let the lyophilized pellet dissolve completely. For conversion into higher pH value, we recommend intensive dilution by relevant buffer to a concentration of 10µg/mL. In higher concentrations the solubility of this antigen is limited. 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 lyophilized protein at -20°C. Lyophilized protein remains stable until the expiry date when stored at -20°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 limited period of time; it does not show any change after one week at 4°C.

Quality Control Test

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.

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