

## PRODUCT DATASHEET

### sPLA2-X Human E. coli

**Cat. No.:** RD172065025

**Type:** Recombinant protein

**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

#### Research topic

Animal studies

#### Amino Acid sequence

MRGSHHHHHH GMASHMGILE LAGTVGCVGP RTPIAYMKYG CFCGLGGHGQ PRDAIDWCCH GHDCCYTRAE EAGCSPKTER  
YSWQCVNQSV LCGPAENKCQ ELLCKCDQEI ANCLAQTEYN LKYLFPQFL CEPDSPKCD

#### Purity

>95%

#### Endotoxin

< 0.1 EU/μg

#### Formulation:

Filtered (0.4 μm) and lyophilized in 0.5 mg/mL in 20mM TRIS, 50mM NaCl, pH 7.5

#### Reconstitution:

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  $-80^{\circ}\text{C}$ . Lyophilized protein remains stable until the expiry date when stored at  $-80^{\circ}\text{C}$ . Aliquot reconstituted protein to avoid repeated freezing/thawing cycles and store at  $-80^{\circ}\text{C}$  for long term storage. Reconstituted protein can be stored at  $4^{\circ}\text{C}$  for a week.

#### **Quality control**

BCA to determine quantity of the protein.

SDS PAGE to determine purity of the protein.

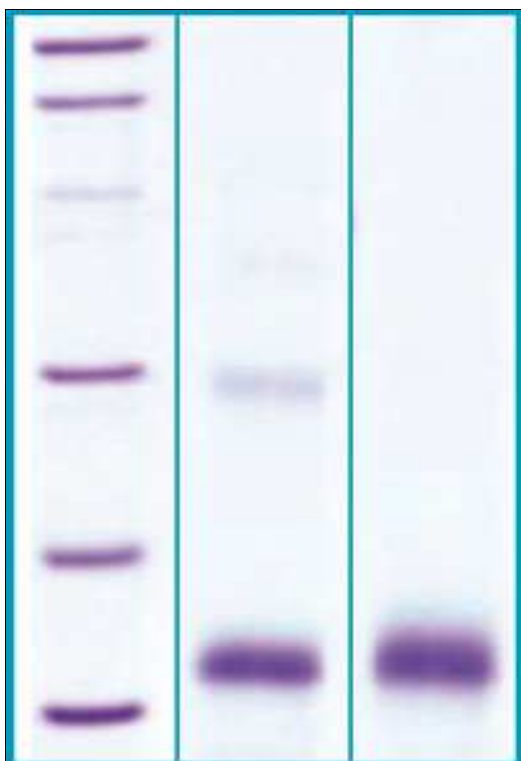
LAL to determine quantity of endotoxin.

#### **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