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

Date of issue: 21.01.2019

# PRODUCT DATASHEET

## sPLA2-XII Human E. coli

**Cat. No.:** RD172066100
**Type:** Recombinant protein
**Size:** 0.1 mg
**Source:** E. coli
**Species:** Human

**Description**
Total 183 AA. MW: 20.6 kDa (calculated). UniProtKB acc.no. Q9BZM1. N-Terminal His-tag, 16 extra AA (highlighted).

**Other names**
Group XIIA secretory phospholipase A2, GXII sPLA2, Phosphatidylcholine 2-acylhydrolase 12A, PLA2G12A, PLA2G12, FKSG38, UNQ2519/PRO6012

**Introduction to the molecule**

**Amino Acid sequence**
MRGSHHHHHH GMASHMQEQA QTTDWRATLK TIRNGVHKID TYLNAALDLL GGEDGLCQYK CSDGSKPFPR YGYKPSPPNG CGSPLFGVHL NIGIPSLTKC CNQHDRCYET CGKSKNDCDE EFQYCLSKIC RDVQKTLGLT QHVQACETTV ELLFDSVIHL GCKPYLDSQR AACRCHYEEK TDL

**Purity**
>95%

**Endotoxin**
< 1.0 EU/ug

**Formulation:**
Filtered (0.4 µm) and lyophilized from 0.5 mg/mL in 20mM Tris buffer, 50 mM NaCl, pH 8.6

**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-XI
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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