

## PRODUCT DATA SHEET

### sPLA2-IIA Human E. coli

**Cat. No.:** RD172054100

**Size:** 0.1 mg

**Source:** E. coli

**Type:** Recombinant protein

**Species:** Human

#### Other Names:

Phospholipase A2 membrane associated, GIIC sPLA2, Group IIA phospholipase A2, Non-pancreatic secretory phospholipase A2, NPS-PLA2, Phosphatidylcholine 2-acylhydrolase 2A, PLA2G2A, PLA2B, PLA2L, RASF-A

#### Description:

Total 140 AA. MW: 15.8 kDa (calculated). UniProtKB acc.no. P14555. N-Terminal His-tag, 16 extra AA.

#### Amino Acid Sequence:

MRGSHHHHHH GMASHMNLVN FHRMIKLTG KEAALSYGFY GCHCGVGGRG SPKDATDRCC  
VTHDCCYKRL EKRGCCTKFL SYKFSNSGSR ITCAKQDSCR SQLCECDKAA ATCFARNKTT  
YNKKYQYYSN KHCRGSTPRC

#### Purity:

> 90 % by SDS-PAGE

#### Endotoxin:

< 1.0 EU/μg

#### Formulation:

Filtered (0,4 μm) and lyophilized in 0.5 mg/mL in 0.05M Acetate buffer pH4

#### 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.

#### Shipping:

At ambient temperature. Upon receipt, store the product at the temperature recommended below.

#### Storage/Stability:

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.

**Quality Control:**

BCA to determine quantity of the protein.  
SDS PAGE to determine purity of the protein.  
Endotoxin level determination.

**Applications:**

Western blotting

**Note:**

This product is intended for research use only.