

## Active Native *Apis mellifera* Phospholipase A2

Cat. No. Pla2-85A Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Native <i>Apis mellifera</i> Phospholipase A2 was purified from honey bee venom.
<b>Species</b>	Honey bee
<b>Source</b>	Honey Bee Venom
<b>Description</b>	Phospholipases A2 (PLA2s) EC 3.1.1.4 are enzymes that release fatty acids from the second carbon group of glycerol. This particular phospholipase specifically recognizes the sn-2 acyl bond of phospholipids and catalytically hydrolyzes the bond releasing arachidonic acid and lysophospholipids. Upon downstream modification by cyclooxygenases, arachidonic acid is modified into active compounds called eicosanoids. Eicosanoids include prostaglandins and leukotrienes, which are categorized as anti-inflammatory and inflammatory mediators.
<b>Form</b>	salt-free, lyophilized powder
<b>Bio-activity</b>	600-2400 units/mg protein
<b>Unit Definition</b>	One unit will hydrolyze 1.0 $\mu$ mole of soybean L- $\alpha$ -phosphatidylcholine to L- $\alpha$ -lysophosphatidylcholine and a fatty acid per min at pH 8.9 at 25 °C.
<b>Storage</b>	Store at -20 °C

### GENE INFORMATION

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>Gene Name</b>	Pla2 phospholipase A2 [ Apis mellifera ]
<b>Official Symbol</b>	Pla2
<b>Synonyms</b>	bvPLA2; GB13351; phospholipase A2; allergen Api m 1; allergen Api m lphosphatidyl; choline 2-acylhydrolase
<b>Gene ID</b>	406141
<b>mRNA Refseq</b>	NM_001011614
<b>Protein Refseq</b>	NP_001011614
<b>UniProt ID</b>	P00630
<b>Chromosome Location</b>	chromosome: LG13

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA