

Enzymax, LLC

870 Corporate Drive, suite 201
Lexington, KY 40503

Product Information

Product Name: Phospholipase A2
Catalog #: SP1005
Size:

Order: info@enzymax.net
Tel: 859-219-8482
Fax: 859-219-0653
Web: www.enzymax.net

Product: Phospholipase A2 (Native)

MDL Number: MFCD00131890

CAS Number: 9001-84-7

Product Description or background:

Phospholipase A2 hydrolyzes the β -ester bond of zwitterionic glycerophospholipids. Preferred substrates are phosphatidylcholine, phosphatidylethanolamine, and their plasmalogen analogues. Phosphatidylinositol and phosphatidylserine are also hydrolyzed aggressively by attacking phospholipids in membranes of intact cells.

Amino Acid Sequence:

mtpahllila avcvspigas ssrpmpInly
qfknmiqctv psrswwdfad ygcycgrggs
gtpvddldrc cqvhdhcyne aekisgcwpy
sktysyecsq gtlctckggn acaaavcdcd
rlaaicfaga pynnnnynid lkarcq

Source: purified from snake venom of *Naja naja atra*

Molecular Weight: 14.4kDa

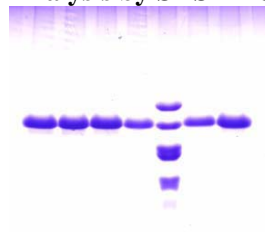
Bioactivity: \geq 200units/mg protein

Storage: Stable for 12 months at -20°C.

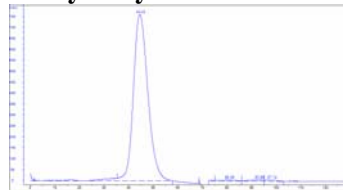
Purity: \geq 95% by FPLC

Presentation: Lyophilized POWDER

Analysis by SDS PAGE Gel



Analysis by HPLC



Snake Type: *Naja naja atra*

Chinese Cobra, widely distribute in provinces south of Yangzi River, including Taiwan.

Protein content (Folin's method): $>90\%$

Humidity: $<5\%$ Insolubility: <0.5

Biotoxicity: LD50: 0.03-0.05mg/kg

