

## Phospholipase A2 Protein, Crotalus atrox, Recombinant (His & Myc)

### General Information

|                       |   |
|-----------------------|---|
| Synonyms:             | Phosphatidylcholine 2-acylhydrolase; Phospholipase A2; svPLA2 |
| Protein Construction: | 1-61 aa   |
| Species:              | Crotalus atrox  |
| Expression Host:      | Baculovirus Insect Cells                                      |
| Accession:            | P0CV89  |
| Molecular Weight:     | 11.2 kDa (predicted)  |
| AA Sequence:          | NLLQFNKMIKIMTKKNAFPFYTSYGCYCGWGGRCCFVHDCCYEKTDIYSYSWKRQICECDR |

### QC Testing

|                      |  |
|----------------------|--|
| Biological Activity: | Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.  |
| Purity:              | > 85% as determined by SDS-PAGE.   |
| Endotoxin:           | < 1.0 EU/ $\mu$ g of the protein as determined by the LAL method.  |
| Formulation:         | If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0. |

### Preparation and Storage

|                      |  |
|----------------------|--|
| Reconstitution:      | Reconstitute the lyophilized protein in sterile deionized water. The product concentration should not be less than 100 $\mu$ g/mL. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.   |
| Stability & Storage: | Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.<br><small>Actual storage temperature shall be subject to the COA.</small> |
| Shipping:            | In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.   |

### Protein Background

Snake venom phospholipase A2 (PLA2) that displays edema-inducing activities. PLA2 catalyzes the calcium-dependent hydrolysis of the 2-acyl groups in 3-sn-phosphoglycerides.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481