

plc

## Recombinant *Clostridium perfringens* plc/Phospholipase C/Alpha-toxin, C-His Tag

<b>Catalog No.</b>	YXX01001A YXX01001B	<b>Quantity:</b>	100 µg 1.0 mg
<b>Alternate Names:</b>	Phospholipase C		
<b>Description:</b>	<p><i>Clostridium perfringens</i> hemolysin, Phospholipase C, binds to blood cell membranes where it hydrolyzes both phosphatidylcholine and sphingomyelin. The diacylglycerol produced can activate both the arachidonic acid pathway, leading to modulation of the inflammatory response cascade and thrombosis, and protein kinase C, leading to activation of eukaryotic phospholipases and further membrane damage.</p> <p><b>Recombinant <i>Clostridium perfringens</i> Phospholipase C was expressed in <i>E. coli</i> using the region Ala28-Lys398 (Ile373Leu) with a C-terminal His tag</b></p>		
<b>UniProt ID:</b>	P0C216		
<b>Protein Construction:</b>	Ala28-Lys398 (Ile373Leu)		
<b>Source:</b>	Expressed in <i>E. coli</i>		
<b>Formulation:</b>	Lyophilized from sterile-filtered PBS, pH 7.4, 0.02% NLS, 1 mM EDTA, 4% trehalose, 1% mannitol		
<b>Purity:</b>	> 90 % as determined by SDS-PAGE.		
<b>Applications:</b>	SDS-PAGE, Western Blot, ELISA, Immunogen		
<b>Reconstitution:</b>	<p><b>Centrifuge vial prior to opening.</b> Add sterile distilled water to a concentration of 1.0 mg/mL and gently pipette the solution up and down the sides of the vial.</p> <p><b>DO NOT VORTEX.</b> Allow several minutes for complete reconstitution.</p>		
<b>Storage &amp; Stability:</b>	<p>Stable for up to 1 year from date of receipt at -20°C to -80°C. After reconstitution, stable for 1 week at 2-8°C, or store working aliquots at -20°C to -80°C.</p> <p><b>Avoid repeated freeze-thaw cycles.</b></p>		

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.



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