



# Native Phospholipase D [PLD II] (DAG-WT1310)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	One unit is defined as the amount of enzyme which hydrolyzes 1 $\mu$ mole of phosphatidylcholine to phosphatidic acid and choline per minute at 37°C under the conditions specified in the assay procedure
<b>Conjugate</b>	N/A
<b>Applications</b>	Enzymatic determination
<b>Molecular Weight</b>	58 kDa
<b>Format</b>	Lyophilized
<b>Size</b>	1 KU
<b>Buffer</b>	Enzyme dilution buffer
<b>Storage</b>	Store at -20°C

## BACKGROUND

<b>Introduction</b>	A phospholipase is an enzyme that hydrolyzes phospholipids[1] into fatty acids and other lipophilic substances. Acids trigger the release of bound calcium from cellular stores and the consequent increase in free cytosolic $Ca^{2+}$ , an essential step in calcium signaling to regulate intracellular processes. There are four major classes, termed A, B, C, and D.
<b>Keywords</b>	Phospholipase; PLD