

## Eucodis Phospholipase D EL027

Cat. No.	Amount
EL027	50 mg

For *in vitro* use only.

Store at 4-8°C.

### Application

The phospholipase D EL027 can be utilized as an enzyme to catalyze the hydrolysis and the transphosphatidylation of phospholipids.

### Form

50 mg of cell extract

Powder, slightly brown, lyophilized

Protein content 15-20 %

### Specifications

Name: Phospholipase D EL027  
E.C.: 3.1.4.4  
Origin: prokaryotic  
Source: recombinant, E. coli  
pH: 8.0

### Function

Phospholipases D belong to the family of esterases and act naturally on phosphatidylcholine in the plasma membrane to release phosphatidic acid (PA) and choline. Phospholipases D can be used as versatile tools in hydrolysis and transphosphatidylation reactions for industrial, chemical and food applications.

### Usage

The phospholipase D EL027 lyophilisate is partly soluble in water. Before use remove insoluble material by centrifugation. The phospholipase D EL027 should be protected from high temperatures and excessive moisture.

Recommended restoration buffer:

50 mM Tris-HCl 5 mM CaCl<sub>2</sub> pH 8

The phospholipase D EL027 was shown to hydrolyze phosphatidylcholine to phosphatidic acid and choline.

Substrate	mU/mg total protein
L- $\alpha$ -phosphatidylcholine	3.11

One unit is defined as the hydrolysis of 1  $\mu$ mol of choline from L-phosphatidylcholine per hour at pH 8.0 and 37 °C