

Eucodis Phospholipase D EL029

Cat. No.	Amount
EL029	50 mg

For *in vitro* use only.

Store at 4-8 °C.

Application

The phospholipase D EL029 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 EL029
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 EL029 lyophilisate is partly soluble in water. Before use remove insoluble material by centrifugation. The phospholipase D EL029 should be protected from high temperatures and excessive moisture.

Recommended restoration buffer:

50 mM Tris-HCl 5 mM CaCl₂ pH 8

The phospholipase D EL029 was shown to hydrolyze phosphatidylcholine to phosphatidic acid and choline.

Substrate	mU/mg total protein
L- α -phosphatidylcholine	90.16

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