

Data Sheet



Eucodis Phospholipase D Kit

Cat. No.	Sales Unit
EPLD Kit	100-1000 mg each

For *in vitro* use only.

Application

Eucodis Phospholipases D can be utilized as enzymes to catalyze the hydrolysis and the transphosphatidylation of phospholipids.

Specifications

Name	Phospholipase D Kit
E.C.	3.1.4.4
Origin	microbial
Source	recombinant
pH-range	5-8

Form

EPLD027	technical grade, lyophilized in 50 mM Tris-HCl, 300 mM NaCl, pH 8.0
EPLD028	
EPLD029	
EPLD040	technical grade, lyophilized in 50 mM potassium phosphate, 200 mM NaCl, pH 7.0

Storage

EPLD027	2-8°C
EPLD028	
EPLD029	
EPLD040	-20°C

Function

Eucodis Phospholipases D belong to the family of esterases and act naturally on phosphatidylcholine in the plasma membrane to release phosphatidic acid and choline.

Eucodis Phospholipases D can be used as versatile tools in hydrolysis and transphosphatidylation reactions for industrial, chemical and food applications.

Usage

Reconstitute the lyophilized powder with water or buffer.

Cat. No.	Recommended reconstitution and reaction buffers
EPLD027	50 mM Tris-HCl, 5 mM CaCl ₂ , pH 8.0 store reconstituted phospholipases at 4°C
EPLD028	
EPLD029	
EPLD040	20 mM MES, pH 6.5 store reconstituted phospholipase at -20°C and dilute into reaction buffer shortly before use

Activity

Eucodis Phospholipases D are assayed using the chromogenic substrate bis(*p*-nitrophenyl) phosphate. One unit is defined as the amount of enzyme catalyzing the release of 1 µmol *p*-nitrophenol per minute at pH 8.0 and 25°C.

Cat. No.	Activity
EPLD027	≥ 100 U/g
EPLD028	≥ 500 U/g
EPLD029	≥ 250 U/g
EPLD040	≥ 2500 U/g