Phosphoinositide phospholipase C 1 (PLC1), Recombinant Protein

CD BioSciences
Plant Protein

Cat RP01834

Species
Arabidopsis thaliana (Mouse-ear cress)

Full Product Name
Recombinant Arabidopsis thaliana Phosphoinositide phospholipase C 1 (PLC1) , partial

Product Gene Name
PLC1 recombinant protein

Product Synonym Gene Name
PLC1

Purity
Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)

Format
Lyophilized or liquid (Format to be determined during the manufacturing process)

Host
E Coli or Yeast or Baculovirus or Mammalian Cell

Molecular Weight
64,314 Da

Storage
Store at -20℃. For long-term storage, store at -20℃ or -80℃. Store working aliquots at 4℃ for up to one week. Repeated freezing and thawing is not recommended.

Protein Family
Phosphoinositide phospholipase

NCBI Accession
NP_568881.1

NCBI GI
18424132

NCBI GenBank Nucleotide
NM_125254.2

NCBI GeneID
835981

NCBI Official Full Name
phospholipase C1

NCBI Official Symbol
PLC1

NCBI Official Synonym Symbols

Address: SUITE 209, 17 Ramsey Road, Shirley, NY 11967
Tel: 1-631-637-0420
E-mail: info@cd-biosci.com
https://www.cd-biosciences.com/plant-protein/

Phosphoinositide phospholipase C 1 (PLC1), Recombinant Protein

CD BioSciences
Plant Protein

Cat *RP01834*

ARABIDOPSIS THALIANA PHOSPHOLIPASE C; ATPLC; ATPLC1; MZN1.12; MZN1_12; PHOSPHOLIPASE C; phospholipase C 1; phospholipase C1

NCBI Protein Information

phospholipase C1

NCBI Summary

phosphatidylinositol-specific phospholipase C is induced to a significant extent under various environmental stresses, such as dehydration, salinity, and low temperature. May play a role in secondary ABA response. There are two genes called ATPLC1, one corresponding to AT4g38530 and one corresponding ot AT5g58670 (this one).

UniProt Gene Name

PLC1

UniProt Synonym Gene Names

ATHATPLC1G; AtPLC1; AtPLC1S; PI-PLC1

UniProt Protein Name

Phosphoinositide phospholipase C 1

UniProt Synonym Protein Names

Phosphoinositide phospholipase PLC1; AtPLC1; AtPLC1S; PI-PLC1

UniProt Primary Accession

Q39032

UniProt Secondary Accession

O49970

UniProt Related Accession

Q39032

UniProt Comments

The production of the second messenger molecules diacylglycerol (DAG) and inositol 1,4,5-trisphosphate (IP3) is mediated by activated phosphatidylinositol-specific phospholipase C enzymes. Required for secondary responses to abscisic acid signals.

Address: SUITE 209, 17 Ramsey Road, Shirley, NY 11967
Tel: 1-631-637-0420
E-mail: info@cd-biosci.com
https://www.cd-biosciences.com/plant-protein/