

# Protein phosphatase 2C 32 (POL), Recombinant Protein

Cat *RP00511*

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## Species

*Arabidopsis thaliana* (Mouse-ear cress)

## Full Product Name

Recombinant *Arabidopsis thaliana* Protein phosphatase 2C 32 (POL) , partial

## Product Gene Name

POL recombinant protein

## Product Synonym Gene Name

POL

## 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

95,571 Da

## Storage

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

## Protein Family

Pol polyprotein

## NCBI Accession #

NP\_001325391.1

## NCBI GI #

1063707044

## NCBI GenBank Nucleotide #

NM\_001337224.1

## NCBI GeneID

819306

## NCBI Official Full Name

Protein phosphatase 2C family protein

## NCBI Official Symbol

POL

## NCBI Official Synonym Symbols

**FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY**

# Protein phosphatase 2C 32 (POL), Recombinant Protein

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F14M4.25; poltergeist

## NCBI Protein Information

Protein phosphatase 2C family protein

## NCBI Summary

Pol mutations are recessive suppressors of meristem defects in strong *clv1* and *clv3* mutants, and nearly complete suppressors of weak *clv1* mutants. Single mutants appear normal. Acts downstream of the CLV signaling pathway in meristem development and is required together with PLL1 for stem-cell maintenance through the regulation of WUS.

## UniProt Gene Name

POL

## UniProt Synonym Gene Names

AtPP2C32; PP2C POL

## UniProt Protein Name

Protein phosphatase 2C 32

## UniProt Synonym Protein Names

Protein POLTERGEIST; Protein phosphatase 2C POL; PP2C POL

## UniProt Primary Accession #

Q8RWN7

## UniProt Secondary Accession #

O80732

## UniProt Related Accession #

Q8RWN7

## UniProt Comments

Involved in the regulation of pedicel length and of CLAVATA pathways controlling stem cell identity at shoot and flower meristems.

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