

# Chromatin Immunoprecipitation (ChIP) Kit (For Plant)

**Cat. No.** KITMI-CP04P    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
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| <b>Product Overview</b> | <p>Chromatin Immunoprecipitation (ChIP) is used to investigate whether proteins and DNA are interacted in the body. This technique helps researchers determine which histone repairs occur at a particular location in the genome in the nucleus adorn.</p> <p>Using specific antibody and antigen interaction, the DNA fragment bound to the target protein can be deposited, which can truly reflect the binding in DNA-binding proteins on DNA sequences. In contrast to the ChIP Kit for animal, this kit covers special plant lysis buffer and is primarily used to study plant protein-DNA interactions</p> |
| <b>Size</b>             | 6 tests                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Storage</b>          | <p>Box A components: Store at 4°C</p> <p>Box B components: Store at -20°C</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Applications</b>     | Study transcription factors or histone modifications                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Notes</b>            | <p>6 tests mean 6 times of single group (1 group of IP or 1 group of IgG or 1 group of positive antibody) immunoprecipitation experiments. The following procedure includes 1 group of IgG, 1 group of IP and/or 1 group of positive control (Options), which consumes 2-3 test reagents</p>                                                                                                                                                                                                                                                                                                                      |
| <b>Shipping</b>         | On Ice                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Kit Components</b>   | <p>Box A components</p> <p>10×PBS: 21mL</p> <p>Glycine Buffer: 7mL</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

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4×E1 Buffer: 18mL  
4×E2 Buffer: 23mL  
Plant Lysis Buffer×2: 1.4mL×2  
ChIP Buffer: 14mL  
DTT: 54uL  
ProteinA/G Magnetic Beads: 350uL  
Elution Buffer: 1mL  
5M NaCl: 150uL  
  
Box B components  
Wash Buffer 1: 7mL  
Wash Buffer 2: 7mL  
Wash Buffer 3: 7mL  
Wash Buffer 4: 14mL  
Proteinase K: 48uL  
Normal Rabbit IgG: 6uL  
Normal Mouse IgG: 6uL  
Positive antibody (Histone-H3): 6uL  
Plant Protease Inhibitor (100×): 500uL  
RNase A: 24uL

**Materials Required  
but Not Supplied**

37% formaldehyde or 16% formaldehyde  
Qubit fluorometer and quantitative kit  
DNA purification and recovery kit  
SYBR Green qPCR Mix  
DNA library building kit  
Positive primer

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