

Chromatin Immunoprecipitation (ChIP) Kit (For Plant)

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

SPECIFICATION

Product Overview	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. 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
Size	6 tests
Storage	Box A components: Store at 4°C Box B components: Store at -20°C
Applications	Study transcription factors or histone modifications
Notes	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
Shipping	On Ice
Kit Components	Box A components 10×PBS: 21mL Glycine Buffer: 7mL

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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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