

RNA pull-down Kit

Cat. No. KITMI-RP07 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	RNA pull-down is a technique to study the binding of RNA to proteins or the binding to RNA in cells. The RNA is labeled with biotin labeling and then co-incubated with the cell lysate to form an RNA-RNA or RNA-protein complex. Incubate with magnetic beads that coupled with streptavidin, the RNA-RNA or RNA-protein complex will be enriched and eluted. Fluorescence quantitative PCR (RNA pull down- QPCR) or high-throughput sequencing (RNA pull down-seq) is used to determine whether the target RNA interacts with some RNA molecules. Western blot (pull down-WB) assay and mass spectrometry (pull down-MS) is used to detect whether the target RNA interacts with the proteins.
Size	6 tests
Storage	Protease inhibitor needs to be stored at -20°C and the rest stored at 4°C
Applications	Study the protein and RNA interactions
Notes	6 tests are 6 times of single-group (1 experimental group or 1 control group) immunoprecipitation experiment. The following steps include 1 group of experimental group and 1 group of control group, which needs to consume 2 test reagents.
Shipping	On Ice
Kit Components	RNA binding buffer: 6mL Wash Buffer I: 20mL Protein-RNA binding buffer (10X): 600uL

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IP lysis buffer : 9mL
Protease inhibitor (100 X): 35uL
Glycerol (50%): 800uL
Wash Buffer II: 10mL
Solution I: 600uL
Elution Buffer: 800uL
DEPC water: 400uL
Nucleic-Acid Compatible Streptavidin Magnetic Beads: 270uL

**Materials Required
but Not Supplied**

75% ethanol, Trizol, chloroform, isopropyl alcohol, 1xPBS, Reverse transcription kit,
Fluorescent dye and other reagents

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