

RPA928Ra01 100µg

Recombinant Tumor Protein p53 (TP53)

Organism Species: Rattus norvegicus (Rat)

Instruction manual

FOR IN VITRO USE AND RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

11th Edition (Revised in May, 2016)

[PROPERTIES]

Source: Prokaryotic expression.

Host: *E. coli*

Residues: Pro90~Ala354

Tags: N-terminal His-Tag

Tissue Specificity: Heart, Brain, Kidney, Liver.

Subcellular Location: Cytoplasm. Nucleus. Endoplasmic reticulum.

Mitochondrion matrix.

Purity: >98%

Traits: Freeze-dried powder

Buffer formulation: 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5%Trehalose and Proclin300.

Original Concentration: 200ug/mL

Applications: SDS-PAGE; WB; ELISA; IP; CoIP; ReporterAssays; Purification; Amine Reactive Labeling.

(May be suitable for use in other assays to be determined by the end user.)

Predicted isoelectric point: 5.9

Predicted Molecular Mass: 33.7kDa

Accurate Molecular Mass: 36kDa as determined by SDS-PAGE reducing conditions.

[USAGE]

Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

[STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.

Store at 2-8°C for one month.

Aliquot and store at -80°C for 12 months.

Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

[SEQUENCE]

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                                                    P LSSSVPSQKT
YQGNYG FHLG FLQSGTAKSV MCTYSISLNK LFCQLAKTCP VQLWVTSTPP
PGTRVRAMAI YKKSQHMTEV VRRCPHERC SDGDGLAPPQ HLIRVEGNPY
AEYLDDRQTF RHSVVVPYEP PEVGSDYTTI HYKYM CNSSC MGGMNR RPIL
TIITLEDSSG NLLGRDSFEV RVCAC PGRDR RTEEENFRKK EEHCPELPPG
SAKRALPTST SSSPQQKKKP LDGEYFTLKI RGRERFEMFR ELNEALELKD
ARAA
    
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[IDENTIFICATION]

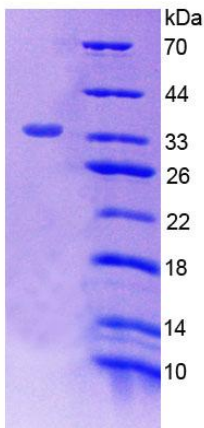


Figure 1. SDS-PAGE