

RPB983Ra01 10µg

Recombinant Tau Protein (MAPT)

Organism Species: *Rattus norvegicus* (Rat)

Instruction manual

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

13th Edition (Revised in Aug, 2023)

[PROPERTIES]

Source: Prokaryotic expression

Host: *E.coli*

Residues: Ala34~Ser368

Tags: N-terminal His Tag

Subcellular Location: Membrane, Cytoplasm

Purity: > 80%

Traits: Freeze-dried powder

Buffer formulation: PBS, pH7.4, containing 0.01% Sarcosyl, 5% Trehalose.

Original Concentration: 50µg/mL

Applications: Positive Control; Immunogen; SDS-PAGE; WB.

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

Predicted isoelectric point: 9.9

Predicted Molecular Mass: 38.4kDa

Accurate Molecular Mass: 40kDa as determined by SDS-PAGE reducing conditions.

[USAGE]

Reconstitute in ddH₂O to a concentration less than or equal to 0.1mg/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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                                AEEAGIG DTPNMEDQAA
GHVTQARVAG VSKDRTGNDE KKAKGADGKT GAKIATPRGA ATPGQKGTSN
ATRIPAKTTP SPKTPPGSGE PPKSGERSGY SSPGSPGTPG SRSRTPSLPT
PPTREPKKVA VVRTPPKSPS ASKSRLQTAP VPMPDLKNVR SKIGSTENLK
HQPGGGKVQI INKKLDLSNV QSKCGSKDNI KHVPGGGSVH IVYKPVDSLK
VTSKCGSLGN IHHKPGGGQV EVKSEKLDFK DRVQSKIGSL DNITHVPGGG
NKKIETHKLT FRENAKAKTD HGAEIVYKSP VVSGDTSRPH LSNVSSTGSI
DMVDSPQLAT LADEVAS
  
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[IDENTIFICATION]

JGCTGAGAGCAGGATGCGAGACACCGACATGAGGACCAAGTCTGCGCATGTGACTCAAGCTGAGTGGCGCGGTACCAAGACAGGACAGGAATGACGAGAGAGCCAGGGGCGCGATGCGAAGACGCGGCGGAGATGCGCACCTGCGGAGCAGCGCTCGCGGCGAGAGGCGCATGCAATGCGACG
 AEEAGIGDTPNMEDQAAGHVTQARVAGVSKDRTGNDEKKAKGADGKTGAKIATPRGAATPGQKGTSNATR

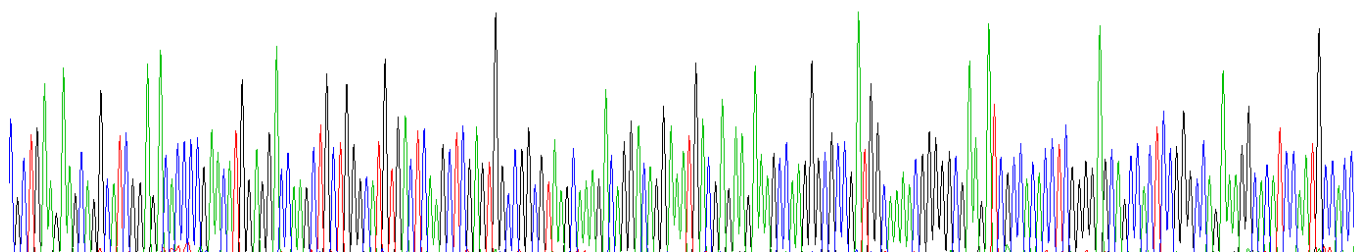


Figure. Gene Sequencing (Extract)

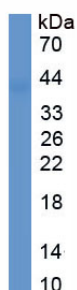


Figure. SDS-PAGE

[IMPORTANT NOTE]

The kit is designed for research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.