

RPA503Mu01 10µg Recombinant Natriuretic Peptide Precursor B (NPPB) Organism Species: Mus musculus (Mouse) *Instruction manual*

FOR IN VITRO USE AND RESEARCH USE ONLY NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

12th Edition (Revised in Aug, 2016)

1304 Langham Creek Dr, Saite 226, Houston, TX 77084, USA | 001-888-960-7402 | www.cloud-cloue.us | mail@cloud-clone.as Export Processing Zone, Wuhan, Hubei 430056, PRC | 0086-800-880-0687 | www.cloud-clone.com | mail@cloud-clone.com

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[PROPERTIES]

Source: Prokaryotic expression. Host: E. coli Residues: Tyr27~Leu121 **Tags:** N-terminal His-Tag Tissue Specificity: Heart, Brain. Subcellular Location: Secreted. **Purity: >95%** Traits: Freeze-dried powder Buffer formulation: 100mM NaHCO3, 500mM NaCl, pH8.3, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% Trehalose and Proclin300. Original Concentration: 200ug/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: 10.0 Predicted Molecular Mass: 12.3kDa Accurate Molecular Mass: 15kDa as determined by SDS-PAGE reducing conditions.

[<u>USAGE</u>]

Reconstitute in 100mM NaHCO3, 500mM NaCl (pH8.3) 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.

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[SEQUENCE]

YPLG SPSQSPEQFK MQKLLELIRE KSEEMAQRQL LKDQGLTKEH PKRVLRSQGS TLRVQQRPQN SKVTHISSCF GHKIDRIGSV SRLGCNALKL L

[IDENTIFICATION]

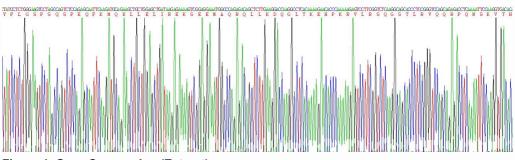


Figure 1. Gene Sequencing (Extract)

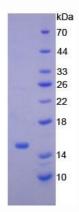


Figure 2. SDS-PAGE