

**RPC313Mu01 10µg**

**Recombinant Antithrombin (AT)**

**Organism Species: *Mus musculus* (Mouse)**

***Instruction manual***

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

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13th Edition (Revised in Aug, 2023)

## **[ PROPERTIES ]**

**Source:** Prokaryotic expression

**Host:** *E.coli*

**Residues:** His33~Asn465

**Tags:** N-terminal His Tag

**Subcellular Location:** Secreted

**Purity:** > 90%

**Traits:** Freeze-dried powder

**Buffer formulation:** 20mM Tris, 150mM NaCl, pH8.0, containing 0.01% Sarcosyl, 5%Trehalose.

**Original Concentration:** 200µg/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:** 6.2

**Predicted Molecular Mass:** 50.4kDa

**Accurate Molecular Mass:** 50kDa as determined by SDS-PAGE reducing conditions.

## **[ USAGE ]**

Reconstitute in ddH<sub>2</sub>O 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.

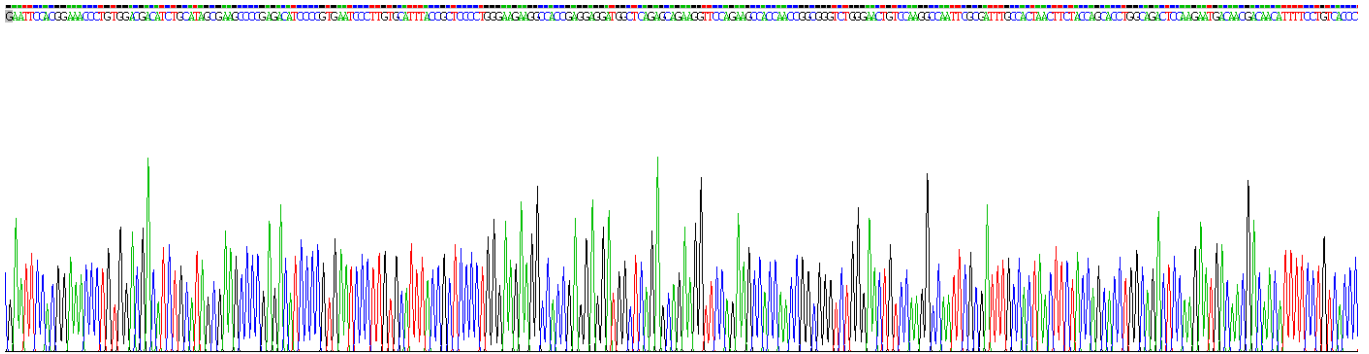
Aliquot and store at -80°C for 12 months.

**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.

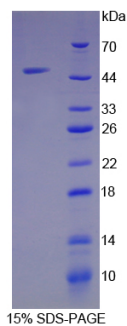
## **[ SEQUENCE ]**

|            |            |            |            |            |
|------------|------------|------------|------------|------------|
| NPLCIYRSPG | KKATEEDGSE | QKVPEATNRR | VWELSKANSR | FATNFYQHLL |
| DSKNDNDNIF | LSPLSISTAF | AMTKLGACND | TLKQLMEVFK | FDTISEKTS  |
| QIHFFFAKLN | CRLYRKANKS | SDLVSANRLF | GDKSLTFNES | YQDVSEVVYG |
| AKLQPLDFKE | NPEQSRVTIN | NWVANKTEGR | IKDVIPOGAI | NELTALVLVN |
| TIYFKGLWKS | KFSPENTRKE | PFYKVDGQSC | PVPMYQEGK  | FKYRRVAEGT |
| QVLELPFKGD | DITMVLILPK | PEKSLAKVEQ | ELTPELLQEW | LDELSETMLV |
| VHMPRFRTED | GFSLKEQLQD | MGLIDLFSPE | KSQLPGIVAG | GRDDLYVSDA |
| FHKAFLEVNE | EGSEAAASTS | VVITGRSLNP | NRVTFKANRP | FLVLIREVAL |
| NTIIFMGRVA | NPCVN      |            |            |            |

**[ IDENTIFICATION ]**



### Figure . Gene Sequencing (extract)



**[ 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.