

RPC313Mu01 10µg

Recombinant Antithrombin (AT)

Organism Species: *Mus musculus* (Mouse)

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: 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 ddH₂O 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]

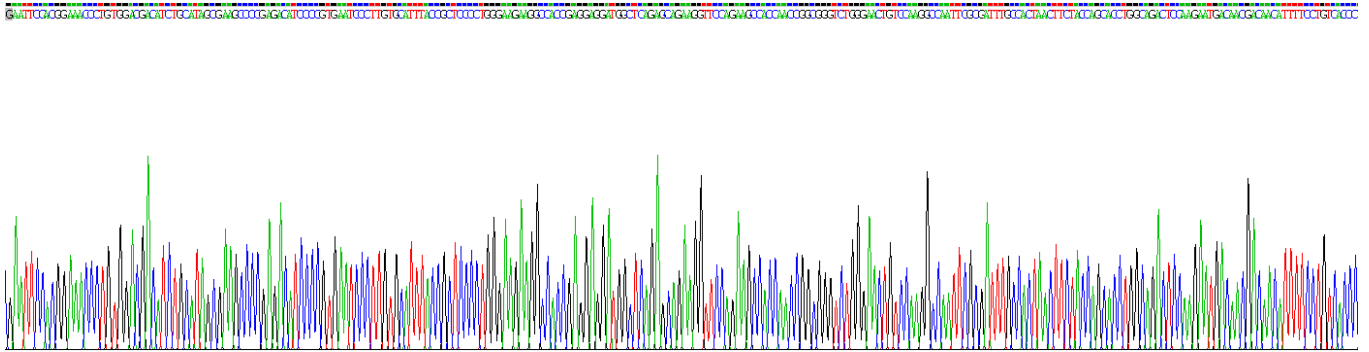
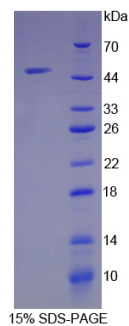


Figure . Gene Sequencing (extract)



[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.