

Recombinant Antithrombin (AT) Instruction Manual

SIPC362Hu01

Homo sapiens (Human)

Source	Prokaryotic expression
Host	E.coli
Endotoxin Level	<1.0EU per 1µg (determined by the LAL method)
Subcellular Location	Secreted, Extracellular matrix
Predicted Molecular Mass	50.3kDa
Accurate Molecular Mass	50kDa(Analysis of differences refer to the manual)
Residues & Tags	His33~Lys464 with N-terminal His Tag
Buffer Formulation	PBS, pH7.4, containing 0.01% SKL, 5% Trehalose.
Traits	Freeze-dried powder
Purity	> 97%
Isoelectric Point	6.2
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

SEQUENCE

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                HGSPVDIC TAKPRDIPMN  
PMCIYRSPEK KATEDEGSEQ KIPEATNRRV WELSKANSRF ATTFYQHLAD  
SKNDNDNIFL SPLSISTAFA MTKLGACNDT LQQLMEVFKF DTISEKTSQ  
IHFFFAKLNC RLYRKANKSS KLVSANRLFG DKSLTFNETY QDISELVYGA  
KLQPLDFKEN AEQSRAAINK WWSNKTEGRI TDVIPSEAIN ELTVLVLVNT  
IYFKGLWKS FSPENTRKEL FYKADGESCS ASMMYQEGKF RYRRVAEGTQ  
VLELPGFKGDD ITMVLILPKP EKSLAKVEKE LTPEVLQEWL DELEEMMLVV  
HMPRFRIEDG FSLKEQLQDM GLVDLFSPEK SKLPGIVAEG RDDLYVSDAF  
HKAFLEVNEE GSEAAASTAV VIAGRSLNPN RVTFKANRPF LVFIREVPLN  
TIIFMGRVAN PCVK
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USAGE

Reconstitute in PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

STORAGE

Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.

STABILITY

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.

Image

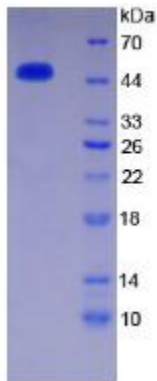


Figure. SDS-PAGE

[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.