

Recombinant Alpha-1-Antitrypsin (a1AT) Instruction Manual

SIPB452Mu01

Mus musculus (Mouse)

Source	Prokaryotic expression
Host	E.coli
Endotoxin Level	<1.0EU per 1µg (determined by the LAL method)
Subcellular Location	Secreted
Predicted Molecular Mass	45.0kDa
Accurate Molecular Mass	45kDa(Analysis of differences refer to the manual)
Residues & Tags	Glu25~Lys413 with N-terminal His Tag
Buffer Formulation	20mM Tris, 150mM NaCl, pH8.0, containing 0.01% SKL, 5% Trehalose.
Traits	Freeze-dried powder
Purity	> 90%
Isoelectric Point	5.7
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

SEQUENCE

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EDVQET DTSQKDQSPA SHEIATNLGD
FAISLYRELV HQSNTSNIFF SPVSIATAFA MLSLGSKGDT HTQILEGLQF
NLTQTSEADI HKSFQHLLQT LNRPDSELQL STGNGLFVNN DLKLVEKFLE
EAKNHYQAEV FSVNFAESEE AKKVINDFVE KGTQGKIAEA VKKLDQDTV
ALANYILFKG KWKKPFDPEN TEEAEFHVDE STTVKVPMMT LSGMLHVHHC
STLSSWVLLM DYAGNATAVF LLPDDGKMQH LEQTLSKELI SKFLLNRRRR
LAQIHFPRLS ISGEYNLCTL MSPLGITRIF NNGADLSGIT EENAPLKLSQ
AVHKAVLTID ETGTEAAAVT VLQMPMSMP PILRFDHPFL FIIFEEHTQS
PIFLGKVVDP THK
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USAGE

Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) 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

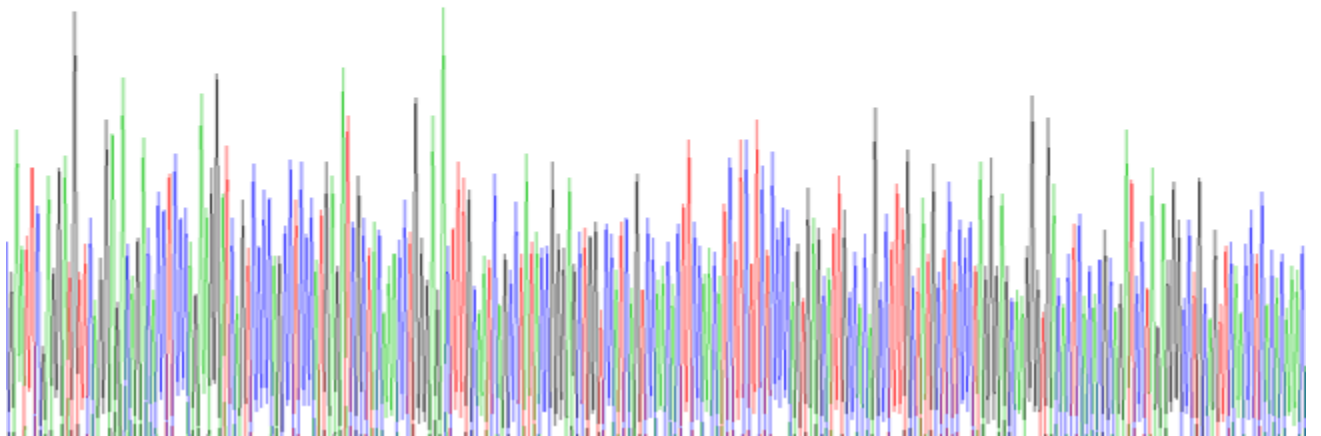


Figure. SDS-PAGE

[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.