

Recombinant Alpha-2-Macroglobulin (a2M) Instruction Manual

SIPB539Po01

Sus scrofa; Porcine (Pig)

Source	Prokaryotic expression
Host	E.coli
Endotoxin Level	<1.0EU per 1µg (determined by the LAL method)
Subcellular Location	Secreted
Predicted Molecular Mass	58.4kDa
Accurate Molecular Mass	58kDa(Analysis of differences refer to the manual)
Residues & Tags	Lys1097~Cys1357 with N-terminal His and GST Tag
Buffer Formulation	PBS, pH7.4, containing 0.01% SKL, 5% Trehalose.
Traits	Freeze-dried powder
Purity	> 97%
Isoelectric Point	7.2
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

SEQUENCE

KGGV

DDEVTL SAYV TIALLEIPLA VTHPVVRSAL FCLETAWKSA QEGSQGSHVY
TKALLAYAFA LAGNQEKKE VLQSLDAEAV KEGDSIHWTR PRKPEAPVQH
FYKPRAPSAE VEMTAYVLLT CLTAQSALSS EDLNLATLIM KWITKQONSQ
GGFSSTQDTV VALHALSKYG AATFTRTGKA AEVTIQSTGT FSKKFQVNND
NLLLLQQLISL PAVPGEYSIT ATGKGCVYLQ TSLKYNILPK KEDFPFALEV
QTLPPTC

USAGE

Reconstitute in ddH₂O to a concentration of 0.1-0.4 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

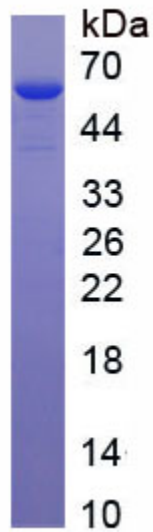


Figure. SDS-PAGE

[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.