

Recombinant Surfactant Protein C (SP-C) Instruction Manual

SIPB252Mu01

Mus musculus (Mouse)

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	12.1kDa
Accurate Molecular Mass	14kDa(Analysis of differences refer to the manual)
Residues & Tags	Phe94~Ile193 with N-terminal His Tag
Buffer Formulation	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 0.01% SKL, 5% Trehalose .
Traits	Freeze-dried powder
Purity	> 97%
Isoelectric Point	6.4
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

SEQUENCE

IVVYDYQRLI TAYKPAPGTY CYIMKMAPES IPSLEAFARK LQNFRAKPST
PTSKLGQEEG HDTGSESDSS GRDLAFLGLA VSTLCGELPL YYI

FSIGSTG

USAGE

Reconstitute in ddH₂O 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.

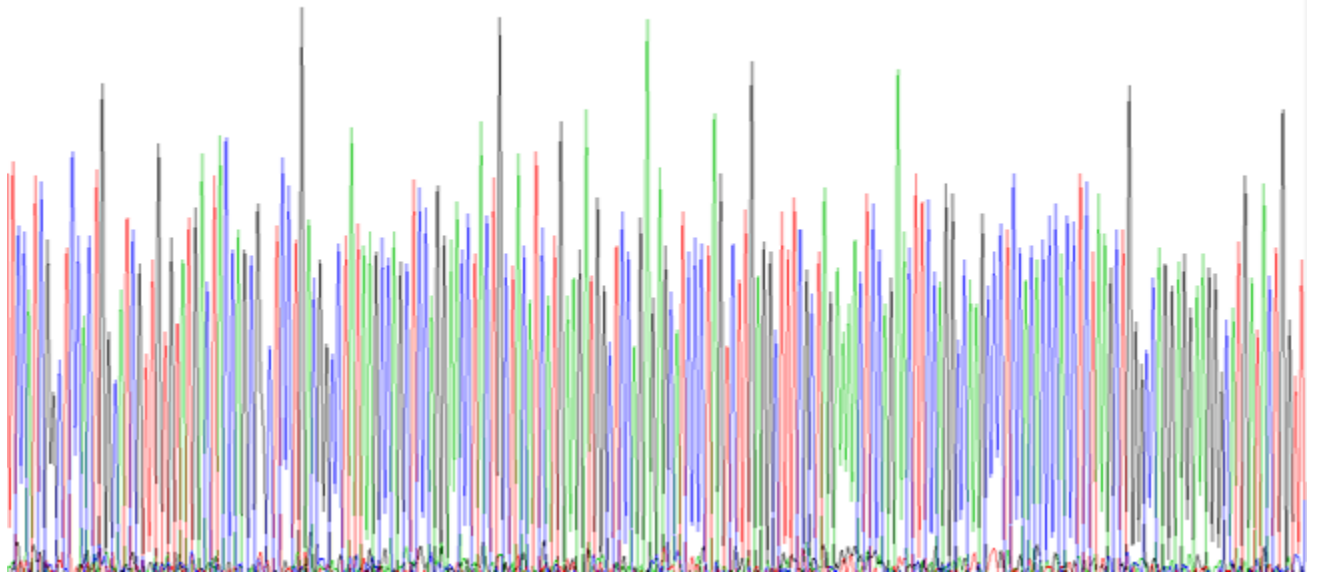
STABILITY

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

TCA TGG TGC TGG CAT GTC TGT GAT GAT CAG CGC TTC TGG GGC TA TAC CAG TC CAG CACT A TCT TGT AT GAG TGC TCG CAG AT C C T T G GGT T TGT GAA TTC CAA TTC CAG CCA CTT C C C C C C C C T T A G T T G G C T G G G C A G G C A G C A T T G C T

S I G S T G I V V T D Y Q R L L T A Y K P A P G T Y C Y I M K N A P E S I P S L E A F A R K L Q N F Q A K P S T P T S K L G Q E E G H D T G S



SDS-PAGE Image

[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.