

Recombinant Surfactant Protein B (SP-B) Instruction Manual

SIPB827Mu01

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	20.4kDa
Accurate Molecular Mass	20kDa(Analysis of differences refer to the manual)
Residues & Tags	Gly20~Pro193 with N-terminal His Tag
Buffer Formulation	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Traits	Freeze-dried powder
Purity	> 95%
Isoelectric Point	5.8
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

SEQUENCE

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

Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

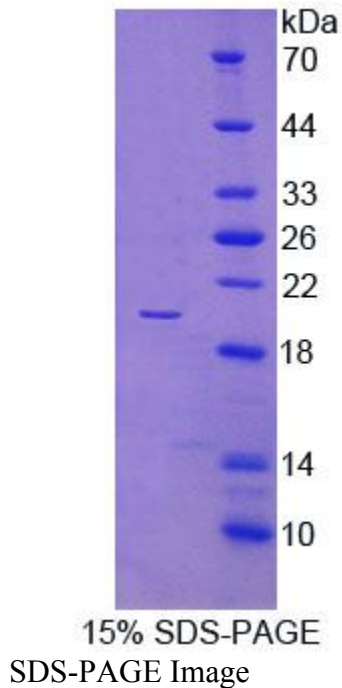
STORAGE

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



[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.