Recombinant Pulmonary Surfactant Associated Protein A1 (SFTPA1)

Catalog No.: TP08971 50μg

Sequence Information

Species：Rat

Gene ID:24773

Swiss Prot:P08427

Synonyms:PRL; SFTPA; PSAP; PSPA; SFTP; SPA; COLEC4; PSP-A; SFTP1; SFTPA1B; SP-A1; Collectin-4; Alveolar proteinosis protein; 35 kDa pulmonary surfactant-associated protein; Surfactant Associated Protein A

Residues: Asn21~Phe248

NVTDVCAGSPGIPGAPGNHGLPGRDGRDGVKGDPGPPGPMGPPGGMPGLPGRDG
LPGAPGAPGERGDKGEPGERGLPGFPAYLDEELQTELYEIKHQILQTMGVLSLQ
GSMLSVGDKVFSTNGQSVNFDTIKEMCTRAGGNIAVPRTPEENEAIASIAKKYN
NYVYLGMIEDQTPGDFHYLDGASVNYTNWYPGEPRGQGKEKCVEMYTDGTWNDR
GCLQYRLAVCEF

Product Information

Source: Prokaryotic expression.

Host: *E. coli*

Tags:N-terminal His and GST Tag

Subcellular Location: Secreted.

Purity: >95%

Traits: Freeze-dried powder

Buffer formulation:PBS, pH7.4, containing 0.1% SKL, 5% Trehalose.

Original Concentration: 200μg/mL

Applications: Positive Control; Immunogen; SDS-PAGE; WB.

(May be suitable for use in other assays to be determined by the end user.)

Predicted isoelectric point: 5.6

Predicted Molecular Mass: 56.6kDa

Accurate Molecular Mass: 54kDa as determined by SDS-PAGE reducing conditions.

[USAGE]

Reconstitute in ddH_2O to a concentration of 0.1-0.5 mg/mL. Do not vortex.

[STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.

Store at 2-8°C for one month.

Aliquot and store at -80°C for 12 months.

Stability Test: 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.

[IDENTIFICATION]

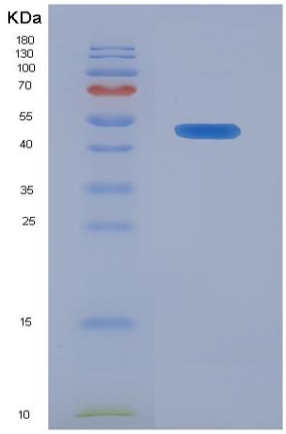

Figure 1. SDS-PAGE

[IMPORTANT NOTE]

The kit is designed for in vitro and research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.