

Eukaryotic Surfactant Associated Protein D (SPD) Instruction Manual

SFPB527Ra61

Rattus norvegicus (Rat)

Source	Eukaryotic expression
Host	CHOS
Endotoxin Level	<1.0EU per 1µg (determined by the LAL method)
Subcellular Location	Secreted
Predicted Molecular Mass	37.1kDa
Accurate Molecular Mass	46kDa(Analysis of differences refer to the manual)
Residues & Tags	Ala20~Phe374 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	7.7
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

SEQUENCE

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A  EMKTLSQLRSI  TNTCTLVLCS  PTENGLPGRD
GRDGREGPRG  EKGDPGLPGP  MGLSGLPGPR  GPVGPKEGNG  SAGEPGPKGE
RGLVGPPGSP  GISGPAGKEG  PSGKQGNIGP  QGKPGPKGEA  GPKGEVGPAG
MQGSAGAKGP  AGPKGERGAP  GEQGAPGNAG  AAGPAGPAGP  QGAPGSRGPP
GLKGDRGAPG  DRGIKGESGL  PDSAALRQQM  EALNGKLQRL  EAAFSRYKKA
ALFPDQQSVG  DKIFRAANSE  EPFEDAKEMC  RQAGGQLASP  RSATENAAVQ
QLVTAHAKAA  FLSMTDVGTE  GKFTYPTGEA  LVYSNWAPGE  PNNNGGAENC
VEIFTNGQWN  DKACGEQRLV  ICEF
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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

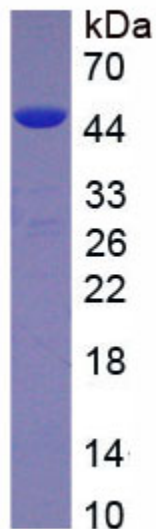


Figure. SDS-PAGE

[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.