

## Recombinant Mouse Surfactant Protein D Protein

Catalog #	Source	Reactivity	Applications
CRP3054	Human cells	Mouse	E, WB, SDS-PAGE, MS
<b>Description</b>	Recombinant Mouse Surfactant Protein D Protein is produced by mammalian expression system and the target gene encoding Ala20-Phe374 is expressed with a 6His tag at the C-terminus.		
<b>Form</b>	Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4.		
<b>Gene Symbol</b>	SFTPD		
<b>Alternative Names</b>	COLEC7; PSPD; SFTP4; Pulmonary surfactant-associated protein D; PSP-D; SP-D; Collectin-7; Lung surfactant protein D		
<b>Entrez Gene</b>	20390 (Mouse)		
<b>SwissProt</b>	P50404 (Mouse)		
<b>Purity</b>	Greater than 95% as determined by reducing SDS-PAGE.		
<b>Chemical Structure</b>	<p>AEMKLSQRS VPNTCTLVMC SPTENGLPGR DGRDREGPR GEKGDPLPG</p> <p>PMGLSGLQGP TGPVGPGEN GSAGEPGPKG ERGLSGPPL PGIPGPAGKE GPSGKQGNIG</p> <p>PQGKPGPKGE AGPKGEVGAP GMQGSTGAKG STGPKGERGA PGVQGAPGNA</p> <p>GAAGPAGPAG PQGAPGSRGP PGLKGDRGVP GDRGIKGESG LPDSAALRQQ</p> <p>MEALKGKLR LEVAFSHYQK AALFPDGRSV GDKIFRTADS EKPFEDAQEM CKQAGGQLAS</p> <p>PRSATENAAI QQLITAHNKA AFLSMTDVGT EGKFTYPTGE PLVYSNWAPG EPNNGGAEN</p> <p>CVEIFTNGQW NDKACGEQRL VICEFVDHHH HHH</p>		
<b>Quality Control</b>	Endotoxin: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.		
<b>Directions for Use</b>	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in ddH <sub>2</sub> O. Please aliquot the reconstituted solution to minimize		

**Application key:** E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

**Species reactivity key:** H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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# Product Data Sheet

freeze-thaw cycles.

## Storage/Stability

Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 2-8°C for 2-7 days.

Aliquots of reconstituted samples are stable at -20°C for 3 months.

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