

Recombinant Human SFTPD Protein

Catalog #	Source	Reactivity	Applications
CRP2295	Human cells	Human	E, WB, SDS-PAGE, MS
Description	Recombinant Human SFTPD Protein is produced by our Mammalian expression system and the target gene encoding Ala21-Phe375 is expressed with a 6His tag at the C-terminus.		
Form	Lyophilized from a 0.2 μM filtered solution of 20mM PB, 150mM NaCl, pH 7.2.		
Gene Symbol	SFTPD		
Alternative Names	COLEC7; PSPD; SFTP4; Pulmonary surfactant-associated protein D; PSP-D; SP-D; Collectin-7; Lung surfactant protein D		
Entrez Gene	6441 (Human)		
SwissProt	P35247 (Human)		
Purity	Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.		
Chemical Structure	AGMKTYSHRT MPSACTLVMC SSVESGLPGR DGRDGREGPR GEKGDPLPG AAGQAGMPGQ AGPVGPKGDN GSVGEPGPKG DTGPGPPGP PGVPGPAGRE GPLGKQGNIG PQGKPGPKGE AGPKGEVGAP GMSGAGARG LAGPKGERGV PGERGVPGNT GAAGSAGAMG PQGSPGARGP PGLKGDGKIP GDKGAKGESG LPDVASLRQQ VEALQGQVQH LQAAFSQQYKK VELFPNGQSV GEKIFKTAGF VKPFTEAQLL CTQAGGQLAS PRSAAENAAL QQLVAKNEA AFLSMTDSKT EGKFTYPTGE SLVYSNWAPG KPNDDGGSED CVEIFTNGKW NDRACGEKRL VVCEFVDHHH HHH		
Quality Control	Endotoxin: Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test.		
Directions for Use	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 1X PBS. 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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