



Recombinant Human Pulmonary surfactant-associated protein A1 (SFTPA1)

Product Code	CSB-YP810281HU
Relevance	In presence of calcium ions, it binds to surfactant phospholipids and contributes to lower the surface tension at the air-liquid interface in the alveoli of the mammalian lung and is essential for normal respiration. Enhances the expression of MYO18A/SP-R210 on alveolar macrophages. (Microbial infection) Recognition of M.tuberculosis by dendritic cells may occur partially via this molecule. Can recognize, bind, and opsonize pathogens to enhance their elimination by alveolar macrophages
Abbreviation	Recombinant Human SFTPA1 protein
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q8IWL2
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥ 85% as determined by SDS-PAGE.
Sequence	EVKDVCVVGSPGIPGTPGSHGLPGRDGRDGLKGDPPGPMGPPGEMPCPP GNDGLPGAPGIPGECGEKGEPPGERGPPGLPAHLDEELQATLHDFRHQILQTR GALSLQGSIMTVGEKVFSSNGQSITFDAIQEACARAGGRIAVPRNPEENEAIAS FVKKYNTYAYVGLTEGPSPGDFRYS DGTPVNYTNWYRGEPAGRGKEQCVEM YTDGQWNRNCLYSRLTICEF
Research Area	Cell Biology
Source	Yeast
Target Names	SFTPA1
Protein Names	35 kDa pulmonary surfactant-associated protein Alveolar proteinosis protein Collectin-4 COLEC4, PSAP, SFTP1, SFTPA, SFTPA1B
Expression Region	21-248aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-tagged
Mol. Weight	26.2 kDa
Protein Length	Full Length of Mature Protein
Image	

