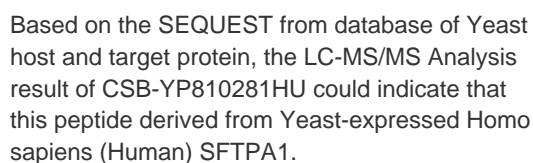
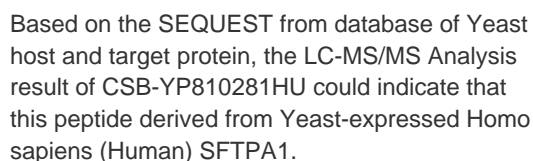
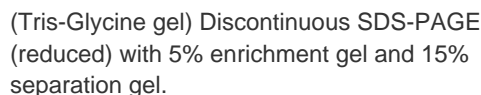




# Recombinant Human Pulmonary surfactant-associated protein A1 (SFTPA1)

<b>Product Code</b>	CSB-YP810281HU
<b>Relevance</b>	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
<b>Abbreviation</b>	Recombinant Human SFTPA1 protein
<b>Storage</b>	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.
<b>Uniprot No.</b>	Q8IWL2
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	Greater than 85% as determined by SDS-PAGE.
<b>Sequence</b>	EVKDVCVGSPGIPGTPGSHGLPGRDGRDGLKGDPPGPMGPPGEMPCPP GNDGLPGAPGIPGECGEKGEPGERGPPGLPAHLDEELQATLHDFRHQILQTR GALSLQGSIMTVGEKVFSSNGQSITFDAIQEACARAGGRIAVPRNPEENEAIAS FVKKYNTYAYVGLTEGPSPGDFRYS DGTPVNYTNWYRGEPAGRGKEQCVEM YTDGQWNDNRNCLYSRLTICEF
<b>Research Area</b>	Cell Biology
<b>Source</b>	Yeast
<b>Target Names</b>	SFTPA1
<b>Protein Names</b>	35 kDa pulmonary surfactant-associated protein Alveolar proteinosis protein Collectin-4 COLEC4, PSAP, SFTP1, SFTPA, SFTPA1B
<b>Expression Region</b>	21-248aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	N-terminal 6xHis-tagged
<b>Mol. Weight</b>	26.2 kDa
<b>Protein Length</b>	Full Length of Mature Protein
<b>Image</b>	



We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

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