

## Product datasheet for **TP328781**

### SFTPA1 (NM\_001164644) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human surfactant protein A1 (SFTPA1), transcript variant 3, 20 µg

**Species:** Human

**Expression Host:** HEK293T

**Expression cDNA** >RC228781 protein sequence

**Clone or AA Sequence:** Red=Cloning site Green=Tags(s)

MWLCPLALNLILMAASGAVCEVKDVCVGGSPGIPGTPGSHGLPGRDGRDGLKGDGPPGPMGPPGEMPCPP  
GNDGLPGAPGIPGECGEGEPGERGPPGLPAHLDEELQATLHDFRHQILQTRGALS LQGSIMTVGEKVFV  
SNGQSITFD AIQEACARAGGRIAVPRNPEENEAIASFVKKYNTYAYVGLTEGSPGDFRYSDGTPVNYTN  
WYRGEPAGRGKEQCVEMYTDGQWDRNCLYSRLTICEF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Tag:** C-Myc/DDK

**Predicted MW:** 26.1 kDa

**Concentration:** >0.05 µg/µL as determined by microplate BCA method

**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

**Preparation:** NULL or Add: Recombinant proteins was captured through anti-DDK affinity column followed by conventional chromatography steps.

**Note:** For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

**Storage:** Store at -80°C.

**Stability:** Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

**RefSeq:** [NP\\_001158116](#)

**Locus ID:** 653509

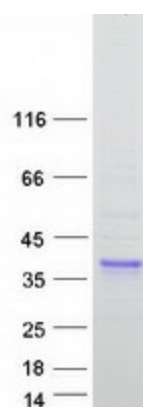
**UniProt ID:** [Q8IWL2](#), [A0A024QZP2](#)



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RefSeq Size:	2189
Cytogenetics:	10q22.3
RefSeq ORF:	744
Synonyms:	COLEC4; PSAP; PSP-A; PSPA; SFTP1; SFTPA1B; SP-A; SP-A1; SP-A1 beta; SP-A1 delta; SP-A1 epsilon; SP-A1 gamma; SPA; SPA1
Summary:	This gene encodes a lung surfactant protein that is a member of a subfamily of C-type lectins called collectins. The encoded protein binds specific carbohydrate moieties found on lipids and on the surface of microorganisms. This protein plays an essential role in surfactant homeostasis and in the defense against respiratory pathogens. Mutations in this gene are associated with idiopathic pulmonary fibrosis. Alternate splicing results in multiple transcript variants. [provided by RefSeq, May 2010]

### Product images:



Coomassie blue staining of purified SFTPA1 protein (Cat# TP328781). The protein was produced from HEK293T cells transfected with SFTPA1 cDNA clone (Cat# [RC228781]) using MegaTran 2.0 (Cat# [TT210002]).