

## Product datasheet for **TP328781SE**

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

#### **Product data:**

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Purified recombinant protein of Human surfactant protein A1 (SFTPA1), transcript variant 3, secretory expressed in HEK293T cells, 20ug
<b>Species:</b>	Human
<b>Expression Host:</b>	HEK293T
<b>Expression cDNA</b>	>RC228781 protein sequence
<b>Clone or AA Sequence:</b>	Red=Cloning site Green=Tags(s)

MWLCPLALNLILMAASGAVCEVKDVCVGSPIPGTSGHGLPGRDGRDGLKGDPPGPPGPMGPPGEMPCPP  
GNDGLPGAPGIPGECGEKGEPPGERGPPGLPAHLDEELQATLHDFRHQILQTRGALS LQGSIMTVGEKVS  
SNGQSITFDALQEACARAGGRIAVPRNPEENEAIASFVKKYNFYAVVGLTEGSPSGDFRYSDGTPVNYTN  
WYRGEPAGRGKEQCVEYTDGQWDRNCLYSRLTICEF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

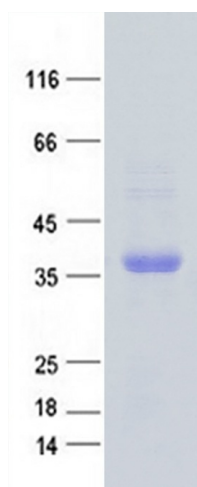
<b>Tag:</b>	C-Myc/DDK
<b>Predicted MW:</b>	27.8 kDa
<b>Concentration:</b>	>50 ug/mL as determined by microplate Bradford method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	25mM Tris-HCl, pH7.3, 100mM glycine, 10% glycerol
<b>Note:</b>	For culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C after receiving vials.
<b>Stability:</b>	Stable for at least 1 year from receipt of products under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_001158116</a>
<b>Locus ID:</b>	653509
<b>UniProt ID:</b>	<a href="#">Q8IWL2</a> , <a href="#">A0A024QZP2</a>
<b>RefSeq Size:</b>	2189



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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 #TP328781SE). The protein was produced from mammalian cells transfected with SFTPA1 cDNA clone (Cat #[RC228781]).