

RP01110

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# Recombinant Human Serpin B3/SCCA-1 Protein

Catalog No.: RP01110

Recombinant

## Sequence Information

Species	Gene ID	Swiss Prot
Human	6317	P29508

### Tags

C-His

### Synonyms

SERPINB3; HsT1196; SCC; SCCA-1; SCCA-PD; SCCA1; SSCA1; T4-A; serpin B3; SerpinB3; HsT1196; SCC; SCCA-1; SCCA-PD; SCCA1; SSCA1; T4-A; serpin B3

## Product Information

Source	Purification
HEK293 cells	> 95% by SDS-PAGE.

### Endotoxin

< 1.0 EU/μg of the protein by LAL method.

### Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH7.4. Contact us for customized product form or formulation.

### Reconstitution

Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize freeze-thaw cycles.

## Contact



[www.abclonal.com](http://www.abclonal.com)

## Background

Serpin B3, also known as squamous cell carcinoma antigen-1 (SCCA-1), is a member of the serpin superfamily of serine protease inhibitors. Serpin B3 belongs to the subgroup ovalbumin-related serpins which are involved in the regulation of apoptosis, inflammation, angiogenesis and embryogenesis. It may act as a papain-like cysteine protease inhibitor to modulate the host immune response against tumor cells. It also functions as an inhibitor of UV-induced apoptosis via suppression of the activity of c-Jun NH(2)-terminal kinase (JNK1).

## Basic Information

### Description

Recombinant Human Serpin B3/SCCA-1 Protein is produced by Mammalian expression system. The target protein is expressed with sequence (Met1-Pro390) of human Serpin B3 (Accession #P29508) fused with a 6xHis tag at the C-terminus.

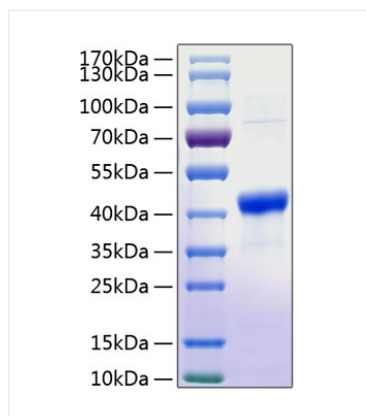
### Bio-Activity

### Storage

Store the lyophilized protein at -20°C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week. Avoid repeated freeze/thaw cycles.

## Validation Data

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Recombinant Human Serpin B3/SCCA-1  
Protein was determined by SDS-PAGE with  
Coomassie Blue, showing a band at 41-50  
kDa.