

# Human SerpinB4 Protein (His Tag)

Catalog Number: 12990-H07B



Sino Biological  
Biological Solution Specialist

## General Information

### Gene Name Synonym:

LEUPIN; PI11; SCCA-2; SCCA1; SCCA2

### Protein Construction:

A DNA sequence encoding the human SERPINB4 (P48594) (Met 1-Pro 390) was expressed, with a polyhistidine tag at the N-terminus.

**Source:** Human

**Expression Host:** Baculovirus-Insect Cells

## QC Testing

**Purity:** > 88 % as determined by SDS-PAGE

### Endotoxin:

< 1.0 EU per µg of the protein as determined by the LAL method

### Stability:

Samples are stable for up to twelve months from date of receipt at -70 °C

**Predicted N terminal:** Met

### Molecular Mass:

The recombinant human SERPINB4 consists of 409 amino acids and predicts a molecular mass of 47.1 kDa. It migrates as an approximately 45 kDa band in SDS-PAGE under reducing conditions.

### Formulation:

Lyophilized from sterile 20mM Tris, 500mM NaCl, pH 7.4, 20% gly, 1mM EDTA, 1mM DTT

Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

## Usage Guide

### Storage:

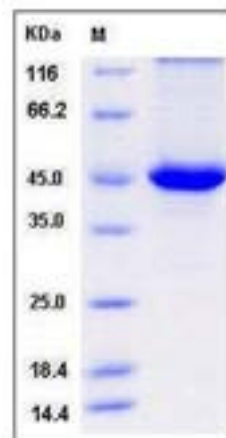
Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

**Avoid repeated freeze-thaw cycles.**

### Reconstitution:

Detailed reconstitution instructions are sent along with the products.

## SDS-PAGE:



## References

- 1.de Koning PJ, *et al.* (2011) Intracellular Serine Protease Inhibitor SERPINB4 Inhibits Granzyme M-Induced Cell Death. PLoS One. 6(8): e22645.
- 2.Chechlinska M, *et al.* (2010) Squamous cell carcinoma antigen 1 and 2 expression in cultured normal peripheral blood mononuclear cells and in vulvar squamous cell carcinoma. Tumour Biol. 31(6): 559-67.
- 3.Shiiba M, *et al.* (2010) Down-regulated expression of SERPIN genes located on chromosome 18q21 in oral squamous cell carcinomas. Oncol Rep. 24(1): 241-9. en, Der p 1. J Biol Chem. 279(7): 5081-7.

Manufactured By Sino Biological Inc., FOR RESEARCH USE ONLY. NOT FOR USE IN HUMANS.

For US Customer: Fax: 267-657-0217 • Tel: 215-583-7898

Global Customer: Fax :+86-10-5862-8288 • Tel:+86-400-890-9989 • <http://www.sinobiological.com>