

Recombinant human Serpin B3/SSCA1 protein

Catalog Number: ATGP3092

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-390aa

UniProt No.

P29508

NCBI Accession No.

NP_008850

Alternative Names

Serpin B3, HsT1196, SCC, SCCA-1, SCCA-PD, SCCA1, T4-A

PRODUCT SPECIFICATION

Molecular Weight

47 kDa (413aa) confirmed by MALDI-TOF

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol, 1mM DTT

Purity

> 95% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

SERPINB3 also known as serpin B3 is a papain-like cysteine protease inhibitor to modulate the host immune response against tumor cells. Also functions as an inhibitor of UV-induced apoptosis via suppression of the activity of c-Jun NH (2) -terminal kinase (JNK1). Recombinant human SERPINB3 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

Amino acid Sequence

MGSSHHHHHH SGLVPRGSH MGSMNSLSEA NTKFMFDLFQ QFRKSKENNI FYSPISITSA LGMVLLGAKD NTAQQIKKVL

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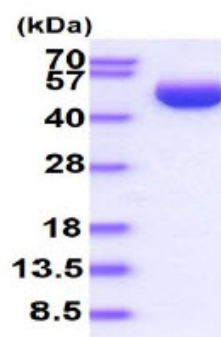
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SFHFASLEDV QAKVLEIPYK GKDLSMIVLL PNEIDGLQKL EEKLTAEKLM EWTSLQNMRE TRVDLHLPRF KVEESYDLKD
TLRTMGMDVI FNGDADLSGM TGSRGLVLSG VLHKAFVEVT EEGAEAAAAT AVVGFGSSPT STNEEFHCNH PFLFFIRQNK
TNSILFYGRF SSP

General References

Zheng B., et al. (2009) Biochem. Biophys. Res. Commun. 380:143-147.
Turato C., et al. (2011) Exp. Biol. Med. 236:281-290

DATA

SDS-PAGE



15% SDS-PAGE (3ug)

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.