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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 SSGLVPRGSH MGSMNSLSEA NTKFMFDLFQ OFRKSKENNI FYSPISITSA LGMVLLGAKD NTAQQIKKVL



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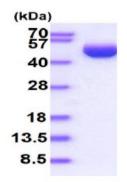
HFDQVTENTT GKAATYHVDR SGNVHHQFQK LLTEFNKSTD AYELKIANKL FGEKTYLFLQ EYLDAIKKFY QTSVESVDFA NAPEESRKKI NSWVESQTNE KIKNLIPEGN IGSNTTLVLV NAIYFKGQWE KKFNKEDTKE EKFWPNKNTY KSIQMMRQYT SFHFASLEDV QAKVLEIPYK GKDLSMIVLL PNEIDGLQKL EEKLTAEKLM EWTSLQNMRE TRVDLHLPRF KVEESYDLKD TLRTMGMVDI FNGDADLSGM TGSRGLVLSG VLHKAFVEVT 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.

