
Product Data Sheet

Product Name: SERPINB4 Human

Cat. No.: GP24542

Batch No.: 1

Product Data

Purity >98%

Source Escherichia Coli.

Physical Appearance solid

Shipping Condition Shipped with Ice Packs.

Synonyms

SERPINB4; Serpin Peptidase Inhibitor; Clade B (Ovalbumin); Member; Squamous Cell Carcinoma; Antigen; SCCA2; Serine (Or Cysteine) Proteinase Inhibitor; Clade B (Ovalbumin); Member; Peptidase Inhibitor; LEUPIN; SCCA; PI11; Protease Inhibitor (Leucine-Serpin) Squamous Cell Carcinoma Antigen; SCCA2/SCCA1 Fusion Protein; Serpin B4; SCCA1 PI-11.

Amino Acid Sequence

MGSSHHHHH SSGLVPRGSH MGSMEDLCVA NTLFALNLFK HLAKASPTQN
LFLSPWSISS TMAMVYMGR GSTEDQMAKV LQFNEVGANA VTPMTPENFT
SCGFMQQIQK GSYPDAILQA QAADKIHSSF RSLSSAINAS TGNYLLESVN
KLFGEKSASF REEYIRLCQK YYSSEPQAVD FLECAEEARK KINSWVKQT
KGKIPNLLPE GSVDGDTRMV LVNAVYFKGK WKTPFEKLN GLYPFRVNSA
QRTPVQMMYL REKLNIGYIE DLKAQILELP YAGDVSMFLL LPDEIADVST
GLELLESEIT YDKLNKWT SKDKMAEDEVEV YIPQFKLEEH YELRSILRSM
GMEDAFNKGR ANFSGMSERN DLFLSEVFHQ AMVDVNEEGT EAAAGTGGVM
TGRTGHGGPQ FVADHPFLFL IMHKITNCIL FFGRFSSP.

Formulation

SERPINB4 protein solution (0.5mg/ml) containing Phosphate buffered saline (pH7.4), 10% glycerol and 1mM DTT.

Introduction

Serpin Peptidase Inhibitor, Clade B Member 4, also known as SERPINB4 is a member of the serpin family. SERPINB4 acts as a protease inhibitor to modulate the host immune response against tumor cells. Among the diseases associated with SERPINB4 are: inverted papilloma as well as burns.

Stability

Caution: Product has not been fully validated for medical applications. For research use only.

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Address: 10292 Central Ave. #205, Montclair, CA, USA

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Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

SERPINB4 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 413 amino acids (1-390 a.a) and having a molecular mass of 47.2kDa. SERPINB4 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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