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SERPINB2 Human, His

Serpin Peptidase Inhibitor, Clade B Member 2 Human Recombinant, His Tag
RCP2045

Product Overview

Name	SERPINB2 Human, His

Description

Serpin Peptidase Inhibitor, Clade B Member 2 Human Recombinant, His Tag

Accession (Primary)	P05120

Synonyms

Plasminogen activator inhibitor 2, PAI-2, Plasminogen activator inhibitor 2, SERPINB2, Serpin Peptidase Inhibitor, Clade B Member 2, His Tag, PLANH2, Monocyte Arg-serpin, Placental plasminogen activator inhibitor, Serpin B2, Urokinase inhibitor, HsT1201, PAI, PAI2.

Introduction

SERPINB2 is an inhibitory serpin produced primarily in keratinocytes, stimulated monocytes, and placental trophoblasts. SERPINB2 is found primarily as a 47 kDa non-glycosylated intracellular protein that is induced to be secreted as 60 kDa glycoprotein. The glycosylated and unglycosylated SERPINB2 are similarly effective as inhibitors of urokinase-type plasminogen activator (uPA), the only proven physiological target of SERPINB2.

Source

Escherichia Coli.

Physical Appearance

Sterile filtered colorless solution.

Formulation

SERPINB2 protein solution (0.5mg/ml) containing Phosphate Buffered Saline (pH7.4), 30% glycerol and 1mM DTT.

Stability

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.

Purity

Greater than 80.0% as determined by SDS-PAGE.

Amino acid sequence

MGSSHHHHHH SSGLVPRGSH MGS MEDLCVA NTLFALNLFK HLAKASPTQN LFLSPWSISS TMAMVYMGSR GSTEDQMAKV LQFNEVGANA VTPMTPENFT SCGFMQQIQK GSYPDAILQA QAADKIHSSF RSLSSAINAS TGNYLLESVN KLFGEKSASF REEYIRLCQK YYSSEPQAVD FLECAEEARK KINSWVKTQT KGKIPNLLPE

GSVDGDTRMV LVNAVYFKGK WKTPFEKKLN GLYPFRVNSA QRTPVQMMYL REKLNIGYIE DLKAQILELP YAGDVSMFLL LPDEIADVST GLELLESEIT YDKLNKWTSK DKMAEDEVEV YIPQFKLEEH YELRSILRSM GMEDAFNKGR ANFSGMSERN DLFLSEVFHQ AMVDVNEEGT EAAAGTGGVM TGRTGHGGPQ FVADHPFLFL IMHKITNCIL FFGRFSSP.

Precautions

SERPINB2 Human, His is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P05120)