
Product Data Sheet

Product Name: SERPINB2 Human, His
 Cat. No.: GP24540
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
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.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMEDLCVA NTLFALNLFK HLAKASPTQN LFLSPWSISS TMAMVYMGR GSTEDQMAKV LQFNEVGANA VTPMTPENFT SCGFMQQIQK GSYPDAILQA QAADKIHSSF RSLSSAINAS TGNYLLESVN KLFGEKSASF REEYIRLCQK YYSSEPQAVD FLECAEEARK KINSWVKQT KGKIPNLLPE GSVDGDTRMV LVNAVYFKGK WKTPFEKKNL GLYPFRVNSA QRTPVQMMYL REKLNIGYIE DLKAQILELP YAGDVSMFLL LPDEIADVST GLELLESEIT YDKLNKWT SK DKMAEDEVEV YIPQFKLEEH YELRSILRSM GMEDAFNKGR ANFSGMSERN DLFLSEVFHQ AMVDVNEEGT EAAAGTGGVM TGRTGHGGPQ FVADHPFLFL IMHKITNCIL FFGRFSSP.		
Formulation	SERPINB2 protein solution (0.5mg/ml) containing Phosphate Buffered Saline (pH7.4), 30% glycerol and 1mM DTT.		

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.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store frozen at -20°C for longer

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

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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

SERPINB2 Human produced in E.Coli is a single, non-glycosylated polypeptide chain containing 438 amino acids (1-415 a.a.) and having a molecular mass of 49kDa. SERPINB2 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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