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Datasheet for ABIN935740 **SERPINB2 Protein**

Overview

Quantity:	10 µg
Target:	SERPINB2
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active

Product Details

Sequence:	MEDLCVANTL FALNLFKHLA KASPTQNLFL SPWSISSTMA MVYMGSRGST EDQMAKVLQF NEVGANAVT PMTPENFTSC GFMQQIQKGS YPDAILQAQA ADKIHSSFRS LSSAINASTG N YLLESVNK LFGEKSASFR EEYIRLCQKY YSSEPQAVDF LECAEEARKK INSWVKTQTK GK IPNLLPE GSVGDTRMV LVNAVYFKGK WKTPFEKLN GLYPFRVNSA QRTPVQMMYL REK LNIGYI EDLKAQILEL PYAGDVSMFL LLPDEIADVS TGLELLESEI TYDKLNKWTS KDKM AEDEV EVYIPQFKLE EHYELRSILR SMGMEDAFNK GRANFSGMSE RNDLFLSEVF HQAMV DVNE EGTEAAAGTG GVMTGRTGHG GPQFVADHPF LFLIMHKITN CILFFGRFSS P
Characteristics:	Purified recombinant Human PAI2 protein Expression System: E.coli Bioactivity: Determined by its inhibitory effect against single chain tPA induced cleavage of a chromogenic substrate in Imidazole Buffer at 37°C. Half maximal inhibition against 1.0 µg/mL of single chain tPA was obtained at a concentration of 1.0 µg/mL
Purity:	> 95 % pure
Endotoxin Level:	< 0.1 ng per µg (1 EU/µg).

Target Details

Target:	SERPINB2
Alternative Name:	PAI2 (SERPINB2 Products)
Target Type:	Amino Acid
Background:	<p>PAI-2 is an inhibitory serpin expressed mainly in keratinocytes, activated monocytes, and placental trophoblasts. It exists predominantly as a 47 kDa nonglycosylated intracellular protein which can be induced to be secreted as 60 kDa glycoprotein. The glycosylated and unglycosylated forms of PAI-2 are equally effective as inhibitors of urokinase-type plasminogen activator (uPA), the only established physiological target of this serpin. PAI-2 has a unique ability to form dormant polymers spontaneously and reversibly under physiological conditions.</p> <p>Alternative Names: Plasminogen Activator Inhibitor-2 protein, Urokinase Inhibitor protein, PAI 2, PAI-2 protein, PAI2, PAI-2 protein, PAI 2 protein, PAI-2</p>
Pathways:	Autophagy

Application Details

Application Notes:	Each Investigator should determine their own optimal working dilution for specific applications.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Reconstitute in water to a concentration of 0.1-1.0 mg/mL.
Buffer:	Lyophilized from 50 MM CH ₃ COONa, with 100 mM NaCl.
Handling Advice:	Avoid repeated freeze/thaw cycles.
Storage:	4 °C/-20 °C
Storage Comment:	Store at 4 °C until reconstitution. Following reconstitution aliquot and freeze at -20 °C for long term storage.