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Datasheet for ABIN7317811 **SERPINB2 Protein (GST tag)**

Overview

Quantity:	50 µg
Target:	SERPINB2
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This SERPINB2 protein is labelled with GST tag.

Product Details

Purpose:	Recombinant Human SerpinB2/PAI-2 Protein (GST Tag)(Active)
Sequence:	Met 1-Pro 415
Characteristics:	A DNA sequence encoding the full length of human SERPINB2 (NP_002566.1) (Met 1-Pro 415) was fused with the GST tag at the N-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.
Biological Activity Comment:	Immobilized human GST-SerpinB2 at 10 µg/ml (100 µl/well) can bind biotinylated human uPA-His (Cat: PKSH031415), The EC50 of biotinylated human uPA-His is 10.24-23.88 ng/ml.

Target Details

Target:	SERPINB2
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Target Details

Alternative Name:	SerpinB2/PAI-2 (SERPINB2 Products)
Target Type:	Amino Acid
Background:	<p>Background: Serpins are the largest and most diverse family of serine protease inhibitors which are involved in a number of fundamental biological processes such as blood coagulation, complement activation, fibrinolysis, angiogenesis, inflammation and tumor suppression and are expressed in a cell-specific manner. SerpinB2, also known as Plasminogen activator inhibitor 2, Placental plasminogen activator inhibitor, Monocyte Arg-serpin, Urokinase inhibitor and PAI2, is a cytoplasm protein which belongs to the serpin family and Ov-serpin subfamily. SerpinB2 is a major product of activated monocytes and macrophages and is substantially induced during most inflammatory processes. Distinct from its widely described extracellular role as an inhibitor of urokinase plasminogen activator. SerpinB2 has been shown to have an intracellular role as a retinoblastoma protein (Rb)-binding protein that inhibits Rb degradation. SerpinB2 is widely described as an inhibitor of urokinase plasminogen activator. SerpinB2 inhibits urokinase-type plasminogen activator. The monocyte derived SerpinB2 is distinct from the endothelial cell-derived PAI-1. SerpinB2 is a potentially important inducible host factor that significantly promotes HIV-1 replication.</p> <p>Synonym: HsT1201;PAI;PAI-2;PAI2;PLANH2</p>
Molecular Weight:	73 kDa
NCBI Accession:	NP_002566
Pathways:	Autophagy

Application Details

Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from sterile 50 mM Tris, 100 mM NaCl, pH 8.0, 0.5 mM Reduced Glutathione, 10 % glycerol, 0.5 mM PMSF
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted

samples are stable at < -20°C for 3 months.