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Datasheet for ABIN7317353 **SERPINB1 Protein (His tag)**

Overview

Quantity:	50 µg
Target:	SERPINB1
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SERPINB1 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human SERPINB1/PI2 Protein (Baculovirus, His Tag)
Sequence:	Met 1-Pro 379
Characteristics:	A DNA sequence encoding the human SERPINB1 (P30740) (Met 1-Pro 379) was fused with a polyhistidine tag at the C-terminus.
Purity:	> 90 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method.

Target Details

Target:	SERPINB1
Alternative Name:	SERPINB1/PI2 (SERPINB1 Products)
Background:	Background: SerpinB1 is an endogenous inhibitor of serine proteases recognized for its anti-inflammatory and host-protective properties. Serum SerpinB1 levels are elevated in patients with type 2 diabetes compared with that in healthy subjects and are negatively correlated with

Target Details

serum LDL-C. serpinB1 as an endogenous protein that can potentially be harnessed to enhance functional beta cell mass in patients with diabetes.

Synonym: Leukocyte elastase inhibitor, SERPINB1, Monocyte/neutrophil elastase inhibitor, M/NEI, Peptidase inhibitor 2, PI-2, PI2, EI, ELANH2, HEL-S-27, HEL57, LEI, MNEI,

Molecular Weight: 44 kDa

UniProt: [P30740](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from sterile 20 mM Tris, 500 mM NaCl, pH 8.0, 10 % glycerol

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.