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Datasheet for ABIN1097520

**SERPINB6 Protein (AA 1-376) (His tag, TRX tag)**

## Overview

Quantity:	50 µg
Target:	SERPINB6
Protein Characteristics:	AA 1-376
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This SERPINB6 protein is labelled with His tag, TRX tag.

## Product Details

Purpose:	Recombinant Human Serpin B6/Placental Thrombin Inhibitor (N-Trx, 6His)
Sequence:	<p>MSDKIIHLTD DSFDTDVLKA DGAILVDFWA EWCGPCKMIA PILDEIADEY QGKLTVAKLN</p> <p>IDQNPGTAPK YGIRGIPTLL LFKNGEVAAT KVGALSKGQL KEFLDANLAG SGSGHMHMHHH</p> <p>HHSSGLVPRG SGMKETAAAK FERQHMDSPD LGTDDDDKAM ADIGSEFHMD VLAEANGTFA</p> <p>LNLLKTLGKD NSKNVFFSPM SMSCALAMVY MGA KGNTAAQ MAQILSFNKS GGGGDIHQGF</p> <p>QSLLTEVNKT GTQYLLRVAN RLFGEKSCDF LSSFRDSCQK FYQAEMEELD FISAVEKSRK</p> <p>HINTWVAEKT EGKIAELLSP GSVDP LTRLV LVNAVYFRGN WDEQFDKENT EERLFKVS KN</p> <p>E EKPVM MFK QSTFKKTYIG EIFTQILVLP YVGKELNMII MLPDETTDLR TVEKELTYEK</p> <p>FVEWTRL DMM DEEEVEVSLP RFKLEESYDM ESVLRNLGMT DAFELGKADF SGMSQTDL SL</p> <p>SKVVHKS FVE VNEEGTEAAA ATAAIMMMRC ARFVPRFCAD HPFLFFIQHS KTN GILFCGR FSSP</p>
Characteristics:	Recombinant Human Serpin B6 is produced by our E. coli expression system. The target protein is expressed with sequence (Met1-Pro376) of Human SERPINB6 fused with a TraxA, His tag at the N-terminus.

## Product Details

Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

## Target Details

Target:	SERPINB6
Alternative Name:	Serpin-B6 ( <a href="#">SERPINB6 Products</a> )
Sub Type:	Fusionprotein
Background:	<p>Serpin B6 belongs to the serpin family. Serpin B6 localizes to the cytoplasm. Serpin B6 is expressed in many tissues, abundantly by mast cells in different tissues and mastocytoma lesions. Serpin B6 may be involved in the regulation of serine proteinases present in the brain or extravasated from the blood. In addition, Serpin B6 may play an important role in the inner ear in the protection against leakage of lysosomal content during stress and loss of this protection results in cell death and sensorineural hearing loss.</p> <p>Alternative Names: Serpin B6, Cytoplasmic Antiproteinase, CAP, Peptidase Inhibitor 6, PI-6, Placental Thrombin Inhibitor, SERPINB6, PI6, PTI</p>
Molecular Weight:	60.7 kDa
UniProt:	<a href="#">P35237</a>

## Application Details

Restrictions:	For Research Use only
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## Handling

Format:	Lyophilized
Reconstitution:	<p>It is not recommended to reconstitute to a concentration less than 100 µg/mL.</p> <p>Dissolve the lyophilized protein in ddH<sub>2</sub>O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.2.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	4 °C/-20 °C/-80 °C

## Handling

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Storage Comment:	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Expiry Date:	3 months

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