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Datasheet for ABIN1097514
SERPINA6 Protein (AA 23-405) (His tag)

Overview

Quantity:	50 µg
Target:	SERPINA6
Protein Characteristics:	AA 23-405
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SERPINA6 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Serpin A6 /Transcortin (C-6His)
Sequence:	MDPNAAYVNM SNHHRGLASA NVDFAFSLYK HLVALSPKKN IFISPVISM ALAMLSLGTC GHTRAQLLQG LGFNTERSE TEIHQGFQHL HQLFAKSDTS LEMTMGNALF LDGSLELLES FSADIKHYE SEVLAMNFQD WATASRQINS YVKNKTQGKI VDLFSGLDSP AILVLVNYIF FKGTWTQPF D LASTREENFY VDETTVVKVP MMLQSSTISY LHDAELPCQL VQMNYVGNGT VFFILPDKGK MNTVIAALSR DTINRWSAGL TSSQVDLYIP KVTISGVYDL GDVLEEMGIA DLFTNQANFS RITQDAQLKS SKVVHKAVLQ LNEEGVDTAG STGVTNLNLTSPKIILRFNQP FIIMFDHFT WSSLFLARVM NPVLDHHHHH H
Characteristics:	Recombinant Human Serpin Peptidase Inhibitor, Clade A, Member 6 /Serpin A6 is produced with our mammalian expression system in human cells. The target protein is expressed with sequence (Met23-Val405) of Human Serpin A6 fused with a polyhistidine tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.

Product Details

Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	SERPINA6
Alternative Name:	serpin-a6 (SERPINA6 Products)
Sub Type:	Fusionprotein
Background:	<p>Serpin Peptidase Inhibitor, Clade A, Member 6 (SerpinA6) belongs to the Serine Protease Inhibitors superfamily. SerpinA6 is synthesized in liver and has also been identified in a number of glucocorticoid responsive cells. SerpinA6 has an alpha-globulin protein with corticosteroid-binding properties. It is the major transport protein for glucocorticoids and progestins in the blood of most vertebrates. Defects in SERPINA6 are a cause of corticosteroid-binding globulin deficiency which is an extremely rare hereditary disorder characterized by reduced corticosteroid-binding capacity with normal or low plasma corticosteroid-binding globulin concentration, and normal or low basal cortisol levels associated with hypo/hypertension and muscle fatigue.</p> <p>Alternative Names: Corticosteroid-Binding Globulin, CBG, Serpin A6, Transcortin, SERPINA6, CBG</p>
Molecular Weight:	43.67 kDa
UniProt:	P08185

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 ddH2O.</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 7.4.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.

Handling

Storage: 4 °C/-20 °C/-80 °C

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