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Datasheet for ABIN7320322 SERPINA10 Protein (His tag)

Image



Overview

Quantity:	100 µg
Target:	SERPINA10
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SERPINA10 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Mouse SerpinA10/ZPI Protein (His Tag)
Sequence:	Met 1-Leu 448
Characteristics:	A DNA sequence encoding the mature form of mouse SERPINA10 isoform 1 (Q8R121-1) (Met 1-Leu 448) was fused with a polyhistidine tag at the C-terminus.
Purity:	> 95 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per μ g of the protein as determined by the LAL method.

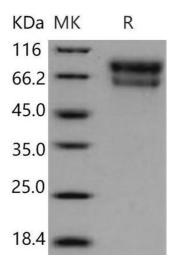
Target Details

Target:	SERPINA10
Alternative Name:	SerpinA10/ZPI (SERPINA10 Products)
Background:	Background: Protein Z-dependent protease inhibitor, also known as PZ-dependent protease inhibitor, SERPINA10 and ZPI, is a secreted protein which belongs to the serpin family. It is
	expressed by the liver and secreted in plasma. SERPINA10 / Serpin-A10 inhibits factor Xa

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	activity in the presence of protein Z, calcium and phospholipid. Serpins are a group of proteins
	with similar structures that were first identified as a set of proteins able to inhibit proteases.
	The acronym serpin was originally coined because many serpins inhibit chymotrypsin-like
	serine proteases (serine protease inhibitors).Over 1000 serpins have now been identified, these
	include 36 human proteins, as well as molecules in plants, fungi, bacteria, archaea and certain
	viruses. Serpins are the largest and most diverse family of protease inhibitors. Most serpins
	control proteolytic cascades, certain serpins do not inhibit enzymes, but instead perform
	diverse functions such as storage (ovalbumin, in egg white), hormone carriage proteins
	(thyroxine-binding globulin, cortisol-binding globulin) and tumor suppressor genes (maspin).
	Most inhibitory serpins target chymotrypsin-like serine proteases. These enzymes are defined
	by the presence of a nucleophilic serine residue in their catalytic site. Some serpins inhibit other
	classes of protease. A number of such serpins have been shown to target cysteine proteases.
	These enzymes differ from serine proteases in that they are defined by the presence of a
	nucleophilic cysteine residue, rather than a serine residue, in their catalytic site.
	Synonym: PZI;ZPI
Molecular Weight:	51 kDa
Application Details	
Application Details Restrictions:	For Research Use only
	For Research Use only
Restrictions:	For Research Use only Lyophilized
Restrictions: Handling	
Restrictions: Handling Format:	Lyophilized
Restrictions: Handling Format: Reconstitution:	Lyophilized Please refer to the printed manual for detailed information.
Restrictions: Handling Format: Reconstitution: Buffer:	Lyophilized Please refer to the printed manual for detailed information. Lyophilized from sterile PBS, pH 7.4

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Western Blotting

Image 1.

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