

Datasheet for ABIN7320839

Dermatopontin Protein (DPT) (Fc Tag)[Go to Product page](#)**1** Image

Overview

Quantity:	50 µg
Target:	Dermatopontin (DPT)
Origin:	Mouse
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Dermatopontin protein is labelled with Fc Tag.

Product Details

Purpose:	Recombinant Mouse Dermatopontin/DPT Protein (Fc Tag)
Sequence:	Gln19-Val201
Characteristics:	Recombinant Mouse Dermatopontin is produced by our Mammalian expression system and the target gene encoding Gln19-Val201 is expressed with a Fc tag at the C-terminus.
Purity:	> 90 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	Dermatopontin (DPT)
Alternative Name:	Dermatopontin/DPT (DPT Products)
Background:	Background: Platelet Glycoprotein 4(CD36) is belongs to the class B scavenger receptor family. The molecule CD36 is synthesized as a 472 amino acid (aa) protein that contains a 6 aa N-terminal cytoplasmic domain, a 22 aa N-terminal transmembrane segment, a 420 aa

Target Details

extracellular "loop", a 22 aa C-terminal transmembrane segment, and a 9 aa C-terminal cytoplasmic tail. Both cytoplasmic tails are palmitoylated, with the C-terminal tail involved in oxidized LDL binding. With respect to the extracellular loop, the N-terminal region is believed to bind both thrombospondin-1 and Plasmodium-infected erythrocytes. Other ligands for CD36 include long-chain fatty acids, collagen, phospholipids and apoptotic cells. Cells known to express CD36 include capillary endothelium, adipocytes, skeletal muscle cells, intestinal epithelium, smooth muscle cells and hematopoietic cells such as RBC's, platelets and monocytes. On the surface of cells, CD36 is suggested to exist as a dimer in response to ligation (7). CD36 is reported to regulate fatty uptake, act as an angiogenic with TSP-1, and participate in the clearance of apoptotic phagocytes.

Synonym: Early quiescence protein 1, EQ-1, Tyrosine-rich acidic matrix protein, TRAMP

Molecular Weight:	49.1 kDa
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UniProt:	Q9QZZ6
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Application Details

Restrictions:	For Research Use only
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Handling

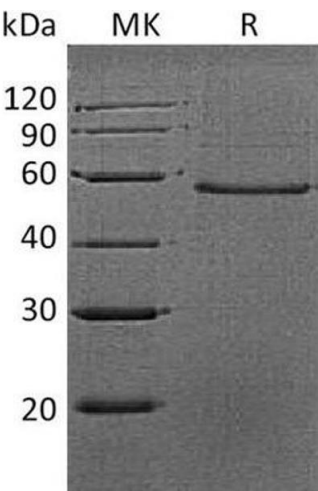
Format:	Lyophilized
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Reconstitution:	Please refer to the printed manual for detailed information.
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Buffer:	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
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Storage:	4 °C,-20 °C,-80 °C
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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.
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Western Blotting

Image 1.