Datasheet for ABIN7198099

SPEG Protein (His tag)

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Overview

Quantity:	50 µg
Target:	SPEG
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This SPEG protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human SPEG/APEG-1 Protein (His Tag)
Sequence:	Met 1-Glu 113
Characteristics:	A DNA sequence encoding the human SPEG isoform 3 (Q15772-4) (Met 1-Glu 113) was fused with a polyhistidine tag at the C-terminus.
Purity:	> 85 % as determined by reducing SDS-PAGE.

Target Details

Target:	SPEG
Alternative Name:	SPEG/APEG-1 (SPEG Products)
Background:	Background: Striated muscle preferentially expressed protein kinase, also known as aortic preferentially expressed protein 1, APEG-1, SPEG and KIAA1297, is a protein which belongs to the protein kinase superfamily and CAMK Ser/Thr protein kinase family. SPEG / APEG-1 contains two fibronectin type-III domains, nine Ig-like (immunoglobulin-like) domains, two

Target Details

	protein kinase domains. Isoform 1 of SPEG is preferentially expressed in striated muscle. Non-kinase form such as isoform 3 of SPEG is predominantly expressed in the aorta. Isoform 3 of SPEG appears to be expressed only in highly differentiated ASMC in normal vessel walls and down-regulated in dedifferentiated ASMC. Isoform 3 of SPEG may have a role in regulating the growth and differentiation of arterial smooth muscle cells. Isoform 3 of SPEG is quickly down-regulated in response to vascular injury, when ASMC cells change from a quiescent to a proliferative phenotype. Synonym: APEG-1;APEG1;BPEG;CNM5;SPEGalpha;SPEGbeta
Molecular Weight:	14 kDa

Application Details

Restrictions:	For Research Use only

Handling

Format:	Frozen, Liquid
Buffer:	Supplied as sterile PBS, pH 7.4
Storage:	-20 °C
Storage Comment:	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.