



# Human CNN1 peptide (DAG-P0206)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Antigen Description</b>	Thin filament-associated protein that is implicated in the regulation and modulation of smooth muscle contraction. It is capable of binding to actin, calmodulin, troponin C and tropomyosin. The interaction of calponin with actin inhibits the actomyosin Mg-ATPase activity.
<b>Specificity</b>	Smooth muscle, and tissues containing significant amounts of smooth muscle.
<b>Purity</b>	70 - 90% by HPLC.
<b>Conjugate</b>	Unconjugated
<b>Sequence Similarities</b>	Belongs to the calponin family. Contains 3 calponin-like repeats. Contains 1 CH (calponin-homology) domain.
<b>Format</b>	Liquid
<b>Preservative</b>	None
<b>Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">CNN1 calponin 1, basic, smooth muscle [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	CNN1
<b>Synonyms</b>	CNN1; calponin 1, basic, smooth muscle; SMCC; Sm-Calp; HEL-S-14; calponin-1; basic calponin; calponins, basic; calponin H1, smooth muscle; epididymis secretory protein Li 14;
<b>Entrez Gene ID</b>	<a href="#">1264</a>
<b>mRNA Refseq</b>	<a href="#">NM_001299.4</a>

<b>Protein Refseq</b>	<a href="#">NP_001290.2</a>
<b>UniProt ID</b>	P51911
<b>Chromosome Location</b>	19p13.2-p13.1
<b>Pathway</b>	Endothelin, organism-specific biosystem; Myometrial Relaxation and Contraction Pathways, organism-specific biosystem;
<b>Function</b>	actin binding; calmodulin binding;