Recombinant Human CNN1 293 Cell Lysate

Cat. No. CNN1-7406HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for calponin 1, basic, smooth muscle (CNN1) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications	ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name	CNN1 calponin 1, basic, smooth muscle [Homo sapiens]
Official Symbol	CNN1
Synonyms	CNN1; calponin 1, basic, smooth muscle; calponin-1; Sm Calp; SMCC; basic calponin; calponins, basic; calponin H1, smooth muscle; Sm-Calp;
Gene ID	1264
mRNA Refseq	NM_001299
Protein Refseq	NP_001290
MIM	600806
UniProt ID	P51911
Chromosome Location	19p13.2-p13.1
Pathway	Myometrial Relaxation and Contraction Pathways, organism-specific biosystem;
Function	actin binding; calmodulin binding;

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