Recombinant Human CARM1 293 Cell Lysate

Cat. No. CARM1-7846HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for coactivator-associated arginine methyltransferase 1 (CARM1) 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.

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

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	CARM1 coactivator-associated arginine methyltransferase 1 [Homo sapiens]
Official Symbol	CARM1
Synonyms	CARM1; coactivator-associated arginine methyltransferase 1; histone-arginine methyltransferase CARM1; PRMT4; protein arginine N-methyltransferase 4;
Gene ID	10498
mRNA Refseq	NM_199141
Protein Refseq	NP_954592
MIM	603934
UniProt ID	Q86X55
Chromosome Location	19p13.2
Pathway	BMAL1:CLOCK/NPAS2 Activates Circadian Expression, organism-specific biosystem; Circadian Clock, organism-specific biosystem; Circadian Repression of Expression by REV-ERBA, organism-specific biosystem; Coregulation of Androgen receptor activity, organism-specific biosystem; Developmental Biology, organism-specific biosystem; Direct p53 effectors, organism-specific biosystem; Fatty acid, triacylglycerol, and

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	ketone body metabolism, organism-specific biosystem;
Function	beta-catenin binding; histone acetyl-lysine binding; histone methyltransferase activity; histone methyltransferase activity (H3-R17 specific); ligand-dependent nuclear receptor transcription coactivator activity; protein homodimerization activity; protein methyltransferase activity; protein-arginine N-methyltransferase activity; protein-arginine omega-N asymmetric methyltransferase activity; transcription coactivator activity; transcription regulatory region DNA binding; transferase activity;

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA