

Recombinant Human CARM1

Cat. No. CARM1-451H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PRMT4, amino-acids 2-end expressed in aFreeStyle 293-F cell/sexpression system. MW= 66 kDa.
Species	Human
Source	HEK293
ProteinLength	2-end a.a.
Description	CARM1 (coactivator-associated arginine methyltransferase 1) is an enzyme encoded by the CARM1 gene found in human beings, as well as many other mammals. CARM1 is a secondary coactivator through its association with p160 family (SRC-1, GRIP1, AIB) of coactivators. It is responsible for moving cells toward the inner cell mass in developing blastocysts. This gene also plays an important role in androgen receptors and may play a role in prostate cancer progression.
Purity	>60%.
Application	Useful for the study of enzyme kinetics, screening inhibitors, and selectivity profiling.
Formulated In	25 mM Tris-HCl, pH 8.0, 100 mM NaCl, 0.05% Tween-20, 50% glycerol, and 3 mM DTT.
Stability	>6 months at –80°C.

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GENE INFORMATION

Gene Name	CARM1 coactivator-associated arginine methyltransferase 1 [Homo sapiens]
Synonyms	CARM1; coactivator-associated arginine methyltransferase 1; PRMT4;EC 2.1.1.125; 3` partial; protein arginine N-methyltransferase 4; Histone-arginine methyltransferase CARM1;EC2.1.1.-; Protein arginine N-methyltransferase 4; Coactivator-associated arginine methyltransferase 1
Gene ID	10498
mRNA Refseq	NM_199141
Protein Refseq	NP_954592
MIM	603934
UniProt ID	Q86X55
Chromosome Location	19p13.2
Pathway	Metabolism of lipids and lipoproteins
Function	histone-arginine N-methyltransferase activity; transferase activity; protein binding; transcription coactivator activity; protein methyltransferase activity

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