Recombinant Human CARM1, Flag-tagged

Cat. No. CARM1-999H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human EZH2(amino-acids 2-end), fused with N-terminal Flag tag, was expressed in a FreeStyle 293-F cells.
Species	Human
Source	Sf9 Cells
ProteinLength	2-end a.a.
Description	This gene belongs to the protein arginine methyltransferase (PRMT) family. The encoded enzyme catalyzes the methylation of guanidino nitrogens of arginyl residues of proteins. The enzyme acts specifically on histones and other chromatin-associated proteins and is involved in regulation of gene expression. The enzyme may act in association with other proteins or within multi-protein complexes and may play a role in cell type-specific functions and cell lineage specification. A related pseudogene is located on chromosome 9.
Form	40 mM Tris-HCl, pH 8.0, 110 mM NaCl, 2.2 mM KCl, 80 ug/ml Flag peptide, 20% glycerol and 3 mM DTT.
Molecular Mass	66 kDa
Purity	Purity>70%
Applications	Useful for the study of enzyme kinetics, screening inhibitors, and selectivity profiling.

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Storage	>6 months at –80°C

GENE INFORMATION

Gene Name	CARM1 coactivator-associated arginine methyltransferase 1 [Homo sapiens (human)]
Official Symbol	CARM1
Synonyms	CARM1; coactivator-associated arginine methyltransferase 1; PRMT4; EC 2.1.1.125; 3` partial; protein arginine N-methyltransferase 4; Histone-arginine methyltransferase CARM1; EC 2.1.1.-; 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	Activation of gene expression by SREBF (SREBP); BMAL1:CLOCK,NPAS2 activates circadian gene expression; Coregulation of Androgen receptor activity
Function	histone methyltransferase activity (H3-R17 specific); histone-arginine N-

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	methyltransferase activity; protein homodimerization activity

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