

Active Recombinant Mouse Carm1 Protein, FLAG-tagged

Cat. No. Carm1-23M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Carm1 fused with FLAG tag at N-terminal was expressed in Insect cells.
Species	Mouse
Source	Insect Cells
Description	Carm1 / Prmt4 (Coactivator-associated arginine methyltransferase 1 or Carm1) is a protein arginine N-methyltransferase that catalyzes the mono- and asymmetric dimethylation of arginine residues in its substrate proteins. It serves as a coactivator of transcription and also plays a role in nuclear receptors. Carm1 methylates histone H3 at Arg2, Arg17 and Arg26; it also methylates a number of non-histone substrates involved in the regulation and mechanism of gene expression.
Form	In 25 mM HEPES (pH 7.5), 300 mM NaCl, 5% glycerol and 0.2 mg/ml 3X FLAG peptide.
Bio-activity	Specifically mediates the methylation of H3R17.
Molecular Mass	~67 kDa
Applications	Recombinant Carm1 / Prmt4 is suitable for use in the study of enzyme kinetics, inhibitor screening, and selectivity profiling.
Storage	Recombinant proteins in solution are temperature sensitive and must be stored at -80

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centigrade to prevent degradation. Avoid repeated freeze/thaw cycles and keep on ice when not in storage.

Concentration 0.6 g/μ

GENE INFORMATION

Gene Name [Carm1 coactivator-associated arginine methyltransferase 1 \[Mus musculus \]](#)

Official Symbol [Carm1](#)

Synonyms CARM1; coactivator-associated arginine methyltransferase 1; histone-arginine methyltransferase CARM1; protein arginine methyltransferase; protein arginine N-methyltransferase 4; Prmt4; MGC46828;

Gene ID [59035](#)

mRNA Refseq [NM_021531](#)

Protein Refseq [NP_067506](#)

UniProt ID [Q9WVG6](#)

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