

Active Recombinant Full Length Human CARM1 Protein, Flag tagged

Cat. No. CARM1-10HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human PRMT4 (CARM1) was expressed in a baculovirus expression system as the full length protein (accession number NP_954592.1) with an N-terminal Flag tag.
Species	Human
Source	Insect Cells
ProteinLength	1-608 aa
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.
Molecular Mass	66.8 kDa
Purity	> 88%
Application	Recombinant PRMT4 (CARM1) protein is suitable for use in enzyme kinetics, inhibitor screening, and selectivity profiling.

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Storage Recombinant proteins in solution are temperature sensitive and must be stored at -80 centigrade to prevent degradation. Avoid repeated freeze/thaw cycles and keep on ice when not in storage.

Storage Buffer 25 mM HEPES-NaOH pH 7.5, 300 mM NaCl, 10% glycerol, 0.04% Triton X-100 and 0.5 mM TCEP.

GENE INFORMATION

Gene Name CARM1 coactivator associated arginine methyltransferase 1 [Homo sapiens (human)]

Official Symbol CARM1

Synonyms CARM1; coactivator associated arginine methyltransferase 1; PRMT4; histone-arginine methyltransferase CARM1; protein arginine N-methyltransferase 4; EC 2.1.1.319

Gene ID 10498

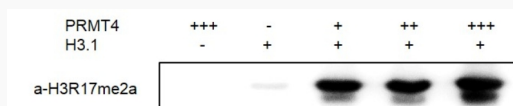
mRNA Refseq NM_199141

Protein Refseq NP_954592

MIM 603934

UniProt ID Q86X55

Activity assay

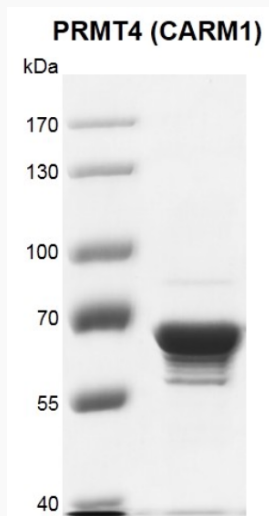


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