

Recombinant Human CARM1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. CARM1-4776H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	CARM1 MS Standard C13 and N15-labeled recombinant protein (NP_954592) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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	65.7 kDa
AA Sequence	MAAAAAAGPGAGGAGSAVPGGAGPCATVSVFPGARLLTIGDANGEIQRHAEQQA LRLEVRAGPDSAGIALYSHEDVCVFKCSVSRETECSRVGKQSFITLGCNSVLIQFAT PNDFCSFYNILKTCRGHTLERSVFSERTEESSAVQYFQFYGYLSQQQNMMDYVRT GTYQRAILQNHTDFKDKIVLDVXLWLWDPVVFRCRPSWSTENLRGXRPAPWPSTXEV LVKSNNLTDRIVVIPGKVXGXCCXPXXQVDIIXLGAHGLHALQRXACWRATSTPXKYL KPSGNMFPTIGDVHLAPFTDEQLYMEQFTKANFWYQPSFHGVDLSALRGAADVDEYF

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RQPVVDTFDIRILMAKSVKYTVNFLEAKEGDLHRIEIPFKFHLHSGLVHGLAFWFDV
AFIGSIMTVWLSTAPTEPLTHWYQVRCLFQSPLFAKAGDTLSGTCLLIANKRQSYDISI
VAQVDQTGSKSSNLLDLKNPFFRYTGTTSPPPGSHYTSPSENMWNTGSTYNLSS
GMAVAGMPTAYDLSSVIASGSSVGHNLIPLANTGIVNHTHSRMGSIMSTGIVQGSS
GAQGSGGGSTSAHYAVNSQFTMGGAISMASPMSIPTNTMHYGSTRTRPLEQKLIS
EEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

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

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](#)

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Protein Refseq	NP_954592
MIM	603934
UniProt ID	Q86X55

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