

Recombinant Full Length Human CARM1 Protein, C-Flag-tagged

Cat. No. CARM1-1535HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human CARM1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	65.7 kDa
AA Sequence	MAAAAAVGPAGAGGAGSAVPGGAGPCATVSVFPGARLLTIGDANGEIQRHAEQQA LRLEVRAGPDSAGIA LYSHEDEVCFKCSVSRETECSRVGKQSFITLGCNSVLIQFAT PNDFCSFYNILKTCRGHTLERSVFSER TESSAVQYFQFYGYLSQQQNMMDYVR TGTYQRAILQNHTDFKDKIVLDVXLWLWDPVVFCRPSWSTEN LRGXRPAPWPSTX EVLVKSNNLTDRIVVIPGKVXGXCXXPXXQVDIIXLGAHGLHALQRXACWRATSTPX

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KYLKPSGNMFPTIGDVHLAPFTDEQLYMEQFTKANFWYQPSFHGVDLSALRGAADV
EYFRQPVVDTFDIR ILMAKSVKYTVNFLEAKEGDLHRIEIPFKFHLHSGLVHGLAFW
FDVAFIGSIMTVWLSTAPTEPLTHWY QVRCLFQSPLFAKAGDTLSGTCLLIANKRQS
YDISIVAQVDQTGSKSSNLLDLKNPFFRYTGTTSPPPG SHYTSPSENMWNTGSTY
NLSSGMAVAGMPTAYDLSSVIASGSSVGHNNLIPLANTGIVNHTHSRMGSIMS
TGIVQGSSGAQGGGGSTSAHYAVNSQFTMGGPAISMASPMSIPTNTMHYGSTRT
RPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, Transcription Factors
Full Length	Full L.

GENE INFORMATION

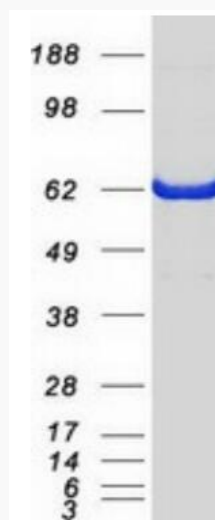
Gene Name	CARM1 coactivator associated arginine methyltransferase 1 [Homo sapiens (human)]
Official Symbol	CARM1

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Synonyms	PRMT4
Gene ID	10498
mRNA Refseq	NM_199141.2
Protein Refseq	NP_954592.1
MIM	603934
UniProt ID	Q86X55



Coomassie blue staining of purified CARM1 protein.