

Recombinant Human CARM1, His-tagged

Cat. No. CARM1-617H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human CARM1 is produced in <i>Sf21 cell</i> with a His-tag.
Species	Human
Source	Sf21 Cells
Description	CARM1 (coactivator-associated arginine methyltransferase 1) is an enzyme encoded by the CARM1 gene found in human beings, as well as many other mammals. CARM1 is a secondary coactivator through its association with p160 family (SRC-1, GRIP1, AIB) of coactivators. It is responsible for moving cells toward the inner cell mass in developing blastocysts. This gene also plays an important role in androgen receptors and may play a role in prostate cancer progression.
Purity	≥90% (SDS-PAGE).
Concentration	0.5mg/ml.
Formulation	Liquid. In 50mM TRIS-HCl, pH 7.5, containing 100mM sodium chloride, 0.2% NP-40, 50mM imidazole and 10% glycerol.
Endotoxin Content	<0.1EU/g purified protein (LAL test; Bio Whittaker).
Specificity	~50-100ng are required for standard HAT assay.
Storage And Stability	Stable for at least 6 months after receipt when stored at -80°C.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

GENE INFORMATION

Gene Name	CARM1 coactivator-associated arginine methyltransferase 1 [Homo sapiens]
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	Metabolism of lipids and lipoproteins
Function	histone-arginine N-methyltransferase activity; transferase activity; protein binding; transcription coactivator activity; protein methyltransferase activity

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