



# Recombinant Streptomyces achromogenes Modification methylase SacI(sacIM)

<b>Product Code</b>	CSB-EP523234FNS
<b>Relevance</b>	This methylase recognizes the double-stranded sequence GAGCTC, causes specific methylation on C-4 on both strands, and protects the DNA from cleavage by the SacI endonuclease.
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	O31073
<b>Storage Buffer</b>	Tris-based buffer,50% glycerol
<b>Alias</b>	Cytosine-specific methyltransferase SacI
<b>Product Type</b>	Recombinant Protein
<b>Species</b>	Streptomyces achromogenes
<b>Purity</b>	Greater than 90% as determined by SDS-PAGE.
<b>Sequence</b>	MNHELPVISLFGAGGLDCAIESCAEPPLVQDGGSPRLRVAVATDYEQTALDT LSANFPHTKTLGDIQTIPTAELLEAGGLKPGDPTLVIGGPPCTPFSKSGFWIEE KRNSADPNASLLDEYVRVVRESKPEAFILENVQGLTYKTHQAQFDRLIAGLKDA GYNPTFRVLLAAEYGVPLRRRVFVVGRRDGKAFHFPETTHSGESERDRVID HTKIPFTSLREALAGLPDVPEAGEVVEGTYAELAAEVPPGQNYLWHTDRYGG RNEFKWRSRYWTFLLKADPDRPSTTLQAQPGPWVGPFWENVKNANGEER ARRFRVAEMKRIMTFPDEFVFTGVKREVQRQIGNPVPVELGKVVRALMEQL GYLDSRGTTIPSQAGHEQLELI
<b>Research Area</b>	Others
<b>Source</b>	E.coli
<b>Gene Names</b>	sacIM
<b>Expression Region</b>	1-390aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	N-terminal 6xHis-SUMO-tagged
<b>Mol. Weight</b>	59.3kDa
<b>Protein Description</b>	Full Length
<b>Image</b>	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.