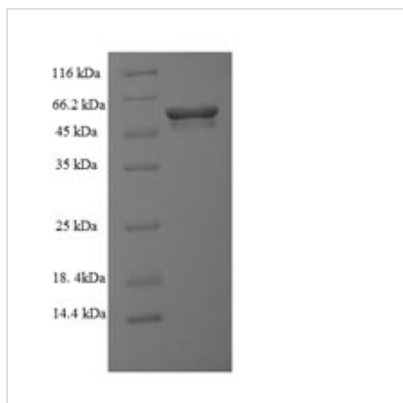




Recombinant Streptomyces achromogenes Modification methylase SacI (sacIM)

Product Code	CSB-EP523234FNS
Relevance	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.
Abbreviation	Recombinant Streptomyces achromogenes sacIM protein
Storage	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.
Uniprot No.	O31073
Alias	Cytosine-specific methyltransferase SacI
Product Type	Recombinant Protein
Immunogen Species	Streptomyces achromogenes
Purity	≥ 90% as determined by SDS-PAGE.
Sequence	MNHELPVISLFGAGGLDCAIESCAEPPLVQDGSGLRVAVATDYEQTALDT LSANFPHTKTLGDIQTIPTAELLEAGGLKPGDPTLVIGGPPCTPFSKSGFWIEE KRNSADPNASLLDEYVRVVRESKPEAFILENVQGLTYKTHQAQFDRLIAGLKDA GYNPTFRVLLAAEYGVPQLRRRVFVVGRRDGKAFHFPETTHSGESERDRVID HTKIPFTSLREALAGLPDVPEAGEVVEGTYAELAAEVPPGQNYLWHTDRYGG RNEFKWRSRYWTFLLKADPDRPSTTLQAQPGPWVGFHWENVKNANGEER ARRFRVAEMKRIMTFPDEFVFTGVKREVQRQIGNPVPVELGKVVVRALMEQL GYLDSRGTTIPSQAGHEQLELI
Research Area	Others
Source	E.coli
Target Names	sacIM
Expression Region	1-390aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-SUMO-tagged
Mol. Weight	59.3kDa
Protein Length	Full Length
Image	



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

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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.