





## Recombinant Rhodobacter sphaeroides Modification methylase RsrI (rsrIM)

Product Code         CSB-EP318583RLE           Relevance         This methylase recognizes the double-stranded sequence GAATTC, causes specific methylation on A-7 on both strands, and protects the DNA from cleavage by the Rsrl endonuclease.           Abbreviation         Recombinant Rhodobacter sphaeroides rsrIM 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.         P14751           Alias         Adenine-specific methyltransferase Rsrl           Product Type         Recombinant Protein           Immunogen Species         Rhodobacter sphaeroides (Rhodopseudomonas sphaeroides)           Purity         Greater than 90% as determined by SDS-PAGE.           Sequence         MANRSHHNAGHRAMNALRKSGQKHSSESQLGSSEIGTTRHVYDVCDCLDTL AKLPDDSVQLIICDPPYNIMLADWDDHMDYIGWAKRWLAEAERVLSPTGSIAIF GGLQYGEAGSGDLISIISHMRQNSKMLLANLIIWNYPNGMSAQRFFANKEEI AWFAKTKKYFFDLDAVREPYDEETKAAYMKKKRUNEDSVEKGRNPTNVWRM SRLNGNSLERVGHPTQKPAAVIERLVRALSHPGSTVLDFFAGSGVTARVAIQE GRNSICTDAAPVFKEYYQKQLTFLQDDGLIDKARSYEIVEGAANFGAALQRGD VAS           Research Area         Others           Source         E.coli           Target Names         rsrlM           Expression Region         1-319aa           Notes         Repeated freezing and thawing is not recommended. Store working a		
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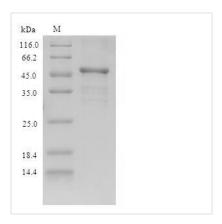




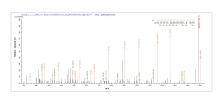




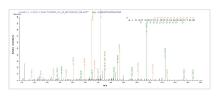




(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.



Based on the SEQUEST from database of E.coli host and target protein, the LC-MS/MS Analysis result of CSB-EP318583RLE could indicate that this peptide derived from E.coli-expressed Rhodobacter sphaeroides (Rhodopseudomonas sphaeroides) rsrIM.



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## 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**

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