

Recombinant Modification methylase MunI(munIM)

Catalog No: #AP71049

Package Size: #AP71049-1 20ug #AP71049-2 100ug #AP71049-3 1mg

Description

Product Name	Recombinant Modification methylase MunI(munIM)
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:1-233aaSequence Info:Full Length
Other Names	Adenine-specific methyltransferase MunI ;M.MunI
Accession No.	P43641
Calculated MW	42.9 kDa
Tag Info	N-terminal 6xHis-SUMO-tagged
Target Sequence	MENKVTAYSIYNKKAKKNTKVNPLDEVFPQLPRKKYQVIYADPPWDYGGKMQYDKSTIKSENEGFKRDIFISSA SFKYPTLKLKELQQLDVPSITADDCILFMWTTGPQMANSILLGESWGFYEYKTVAFVWDKMHNPGRYTLSQTE FVLVFKKGKIPTPRGARNVRQLLQIHRGQHSEKPYAVIDGITKMFALDKIELFARNNFVGWDNWDGLEIPDNKIE IPTQGEIDENK
Formulation	Tris-based buffer50% glycerol
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.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

This methylase recognizes the double-stranded sequence CAATTG, causes specific methylation on A-3 on both strands, and protects the DNA from cleavage by the MunI endonuclease.

References

CAATTG-specific restriction-modification munI genes from Mycoplasma sequence similarities between R.MunI and R.EcoRI.Siksnys V., Zareckaja N., Vaisvila R., Timinskas A., Stakenas P., Butkus V., Janulaitis A.Gene 142:1-8(1994)Research Topic:Others

Note: This product is for in vitro research use only and is not intended for use in humans or animals.