

CviJ I

Cat No:	REZ-CVIJ-01
Pack size:	100U
Lot No:	
Concentration:	10U/μl
Source:	<i>Chlorella virus IL-3A</i>
Recognition sequence:	PuG▼CPy
Unit definition:	One unit is defined as the amount of enzyme required to completely digest 1μg of pBR322 DNA in 1 hour in a total reaction volume of 25μl.
Assay conditions:	20mM Glycylglycine-KOH (pH 8.5) 0.1mM DTT 50mM K-acetate 10% DMSO 10mM Mg-acetate 1μg pBR322 DNA Reaction volume 25μl DMSO is supplied separately.
Storage Buffer:	20mM Tris-acetate (pH 8.0) 50mM potassium acetate 0.5mM EDTA 1mM DTT 5mM MgCl ₂ 50% (v/v) glycerol
Note:	CviJ I is the only available restriction enzyme recognising two/three bp sequence, thus allowing for new research applications. This version of CviJ I cleaves only PuGCPy sites. It does not exhibit 'star' activity, thus it is better suited for mapping of short DNAs like PCR products or small plasmids. Other CviJ I applications, like shotgun cloning, thermal cycle labelling or epitope mapping, can be performed either with this version or with CviJ I*.
Storage:	Store enzyme at -80°C, buffer at -20°C and DMSO at RT.

For Research use only