



The ENZYME Company

Enzyme	Prototype	Recognition Sequence	Cat No	Package, u.a.
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Acc16 I	Mst I	TGC^GCA ACG^CGT	284002	200 units
			284010	1000 units

Lot-number:	Assayed:	Quantity:

Recognition site	TGC^GCA
Origin	Acinetobacter calcoaceticus 16
Concentration	10000, u.a./ml
Storage conditions	10 mM Tris-HCl (pH 7.5); 200 mM KCl; 0.1 mM EDTA; 7 mM 2-mercaptoethanol; 200 ug/ml BSA; 50% glycerol; Store at -20°C.
Assayed on	Lambda DNA
Ligation	After 5-fold overdigestion with enzyme about 90% of the DNA fragments can be ligated and recut.
Non-specific activity	No nonspecific activity was detected after incubation of 1 ug of Lambda DNA with 20 u.a. of enzyme for 16 hours at 37°C.
Optimum temperature	37 °C
Inactivation 20 minutes	65°C
Optimum SE-buffer	W (10 mM Tris-HCl (pH 8.5 at 25°C); 10 mM MgCl ₂ ; 100 mM NaCl; 1 mM DTT.)
Methylation sensitivity	not tested

Enzyme activity in % of maximum :

B	G	O	W	Y
50 - 75	75 - 100	25 - 50	100	75 - 100

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