

STOCK #: P-228

SOURCE ORGANISM: *C. reinhardtii* CC-110

INSERT: Chloroplast DNA, BamHI-HindIII (4.8 kb)

GENES PRESENT: 16S rRNA, 23Ss rRNA (5'end)

VECTOR: pUC18

HOST STRAIN: JM83

SELECTION: amp-r, white on X-gal

SOURCE: Newman, 1989

COMMENTS: CC-110 = *spr-u-1-6-2*, contains A->G change at bp 1123 in *C. reinhardtii* 16S rRNA gene which causes loss of AatII restriction site, confers high level spectinomycin resistance. See Harris et al., *Genetics* **123**, 281 (1989). Used in rRNA transformation experiments by Newman et al., *Genetics* **126**, 875 (1990). For sequence, see Dron et al., *Nucl. Acids Res.* **10**, 7609-7620 (1982); Schneider and Rochaix, *Plant Mol. Biol.* **6**, 265-270 (1986); Schneider et al., *Nucl. Acids Res.* **13**, 8531-8541 (1985).

