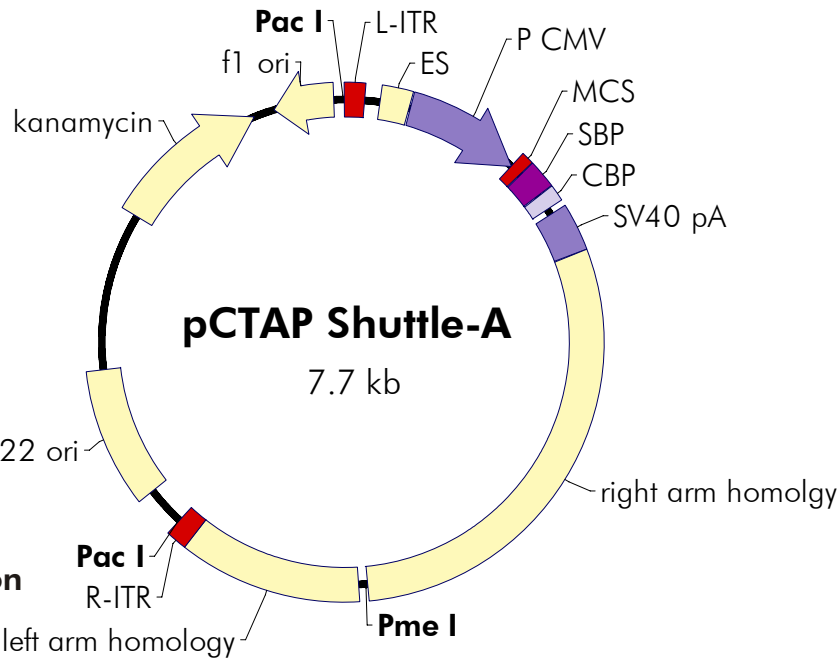


left Ad5 inverted terminal repeat (ITR) 1–103
encapsidation signal (ES) 183–331
CMV promoter 341–933
multiple cloning site 934–992
streptavidin binding peptide (SBP) 999–1133
calmodulin binding peptide (CBP) 1140–1217
SV40 polyA signal 1250–1477
Ad5 right arm homology 1482–3736
Ad5 left arm homology 3784–4667
right Ad5 inverted terminal repeat (ITR) 4668–4770
pBR322 origin of replication 4974–5641
kanamycin resistance ORF 6450–7241
f1 (-) origin of ss-DNA replication 7654–7349



pCTAP Shuttle-A Multiple Cloning Site Region
(sequence shown 888–1034)

Forward primer binding site

GGTCTATATAAGCAGAGCTGGTTTAGTGAACCGTCAGATCCGCTAG...

...AGATCTGGTACCGTCGACGCGGCCGCTCGAGCCTAAGCTTATCGATACGCGTCCGATCG...
 Bgl II Kpn I Sal I Not I Xho I Hind III Cla I Mlu I Pvu I

SBP tag (5' end)

M D E K T T G W R G G H

...GCAGCAATGGACGAGAAGACCACCGGCTGGCGGGGCGGCCAC