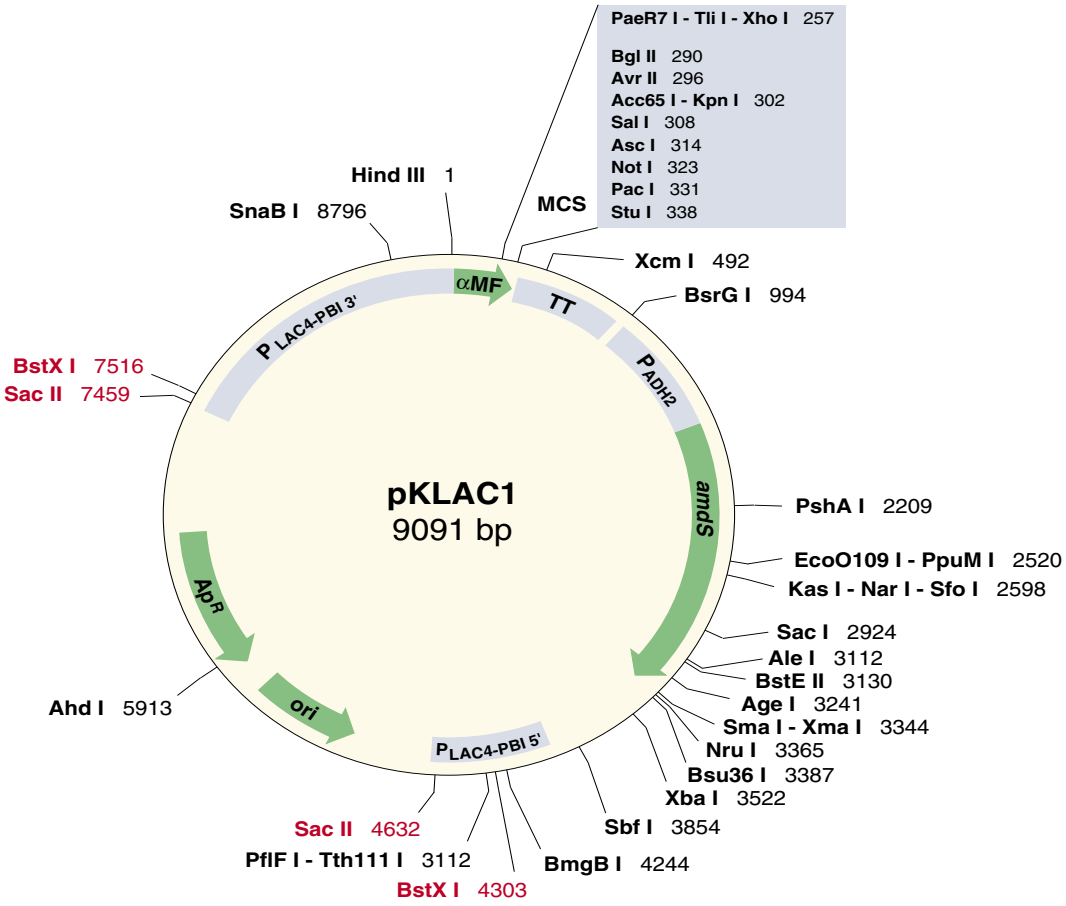

The pKLAC1 expression vector. pKLAC1 (9091 bp) contains the 5´ and 3´ ends of the LAC4 promoter ($P_{LAC4\text{-}PBI}$) separated by DNA encoding -lactamase (Ap^R) and the pMB1 origin (ori) to allow for its propagation in E. coli. The K. lactis -mating factor secretion leader sequence (-MF), multiple cloning site (MCS), and the LAC4 transcription terminator (TT) lie immediately downstream of 3´ $P_{LAC4\text{-}PBI}$. The yeast ADH2 promoter (P_{ADH2}) drives expression of an acetamidase selectable marker gene (amdS). The vector can be linearized by digestion with Sac II or BstX I to create a linear DNA fragment capable of inserting into the native LAC4 promoter region of the K. lactis genome.