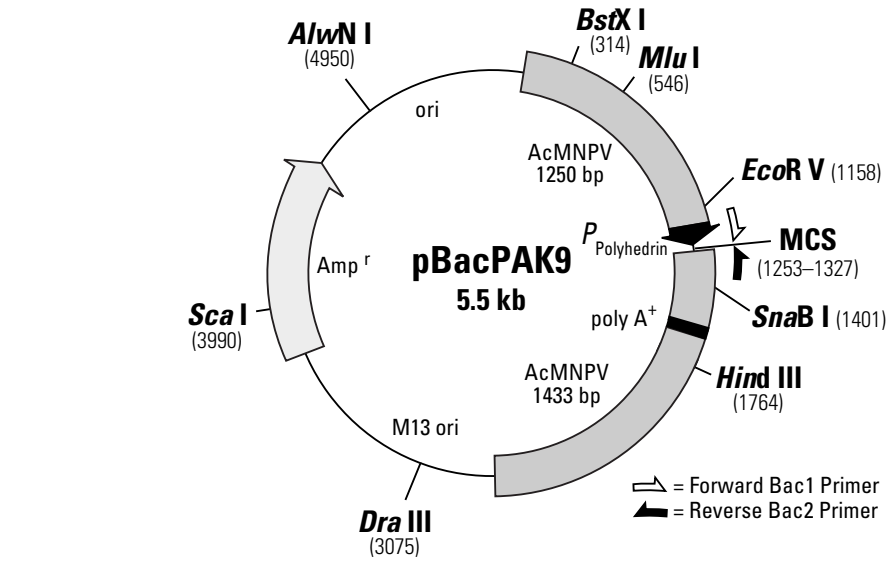
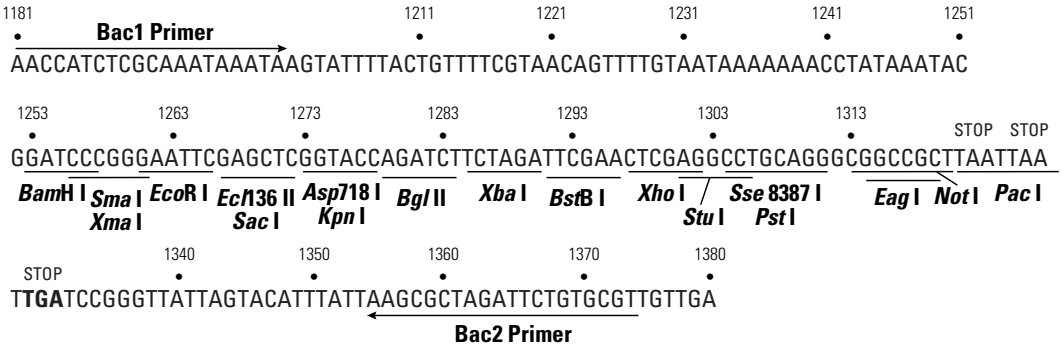
Vector Information

pBacPAK9 Vector Information PT1263-5

GenBank Accession No.: U02440 Sold as part of Cat. No. 631402





Restriction Map and Multiple Cloning Site (MCS) of pBacPAK9. All sites shown are unique. pBacPAK9 was derived from pBacPAK1 by insertion of a multiple cloning site. The *Pac* I site at the end of the multiple cloning sites provides translational stop codons in all three reading frames. The M13 origin of replication in pBacPAK9 can be used to package the coding strand of the target gene (top strand in the figure) for sequencing and mutagenesis of the insert. pBacPAK9 also has a pUC origin of replication and an ampicillin resistance gene for propagation in *E. coli.*

Description:

Available separately or as part of the BacPAK™ Baculovirus Expression System (Cat. No. 631402). pBacPAK9 is a transfer vector designed for high-level expression of a cloned gene driven by the strong AcMNPV polyhedrin promoter. Flanking AcMNPV sequences allow recombination with viral DNA to transfer the expression cassette to the polyhedrin locus of the viral DNA. The polyhedrin coding sequences have been replaced by a multiple cloning site with 18 unique sites which facilitate the insertion of foreign genes in the correct orientation for expression. The *Pac* I site at the end of the MCS region provides translational stop codons in all three reading frames for expression of truncated proteins.

pBacPAK9 has a pUC origin of replication, an M13 origin for single-stranded DNA production, and an ampicillin resistance gene for selection in *E. coli.*

NOTE: The attached sequence file has been compiled from information in the sequence databases, published literature, and other sources, together with partial sequences obtained by Clontech. This vector has not been completely sequenced.

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