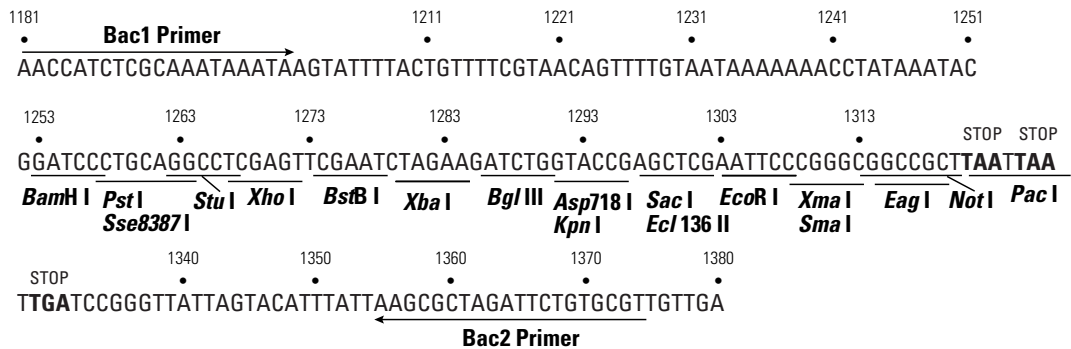
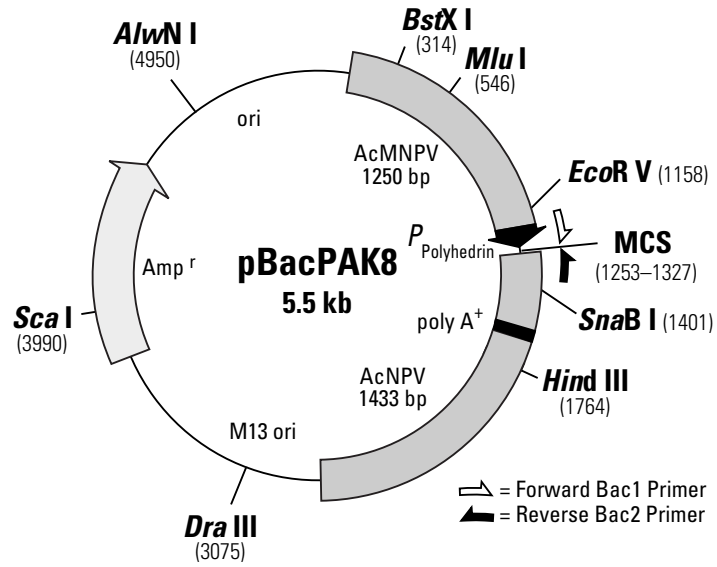


pBacPAK8 Vector Information

GenBank Accession #: U02446

PT1262-5

Sold as part of Cat. No. 631402



Restriction Map and Multiple Cloning Site (MCS) of pBacPAK8. All sites shown are unique. The *PacI* site at the end of the multiple cloning sites provides translational stop codons in all three reading frames. The M13 origin of replication in pBacPAK8 can be used to package the coding strand of the target gene (top strand in the figure) for sequencing and mutagenesis of the insert. pBacPAK8 also has a pUC origin of replication and an ampicillin resistance gene for propagation in *E. coli*.

Description:

Available as part of the BacPAK Baculovirus Expression System (Cat. No. 631402). pBacPAK8 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 The polyhedrin coding sequences have been replaced by a multiple cloning site with 18 unique sites that facilitate the insertion of foreign genes in the correct orientation for expression. The *PacI* site at the end of the MCS region provides translational stop codons in all three reading frames for expression of truncated proteins.

pBacPAK8 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.



United States/Canada
800.662.2566

Asia Pacific
+1.650.919.7300

Europe
+33.(0)1.3904.6880

Japan
+81.(0)77.543.6116

Clontech Laboratories, Inc.
A Takara Bio Company
1290 Terra Bella Ave.
Mountain View, CA 94043
Technical Support (US)
E-mail: tech@clontech.com
www.clontech.com

(PR25331; published 12 June 2002)

Notice to Purchaser

This product is intended to be used for research purposes only. It is not to be used for drug or diagnostic purposes, nor is it intended for human use. Clontech products may not be resold, modified for resale, or used to manufacture commercial products without written approval of Clontech Laboratories, Inc.

Clontech, Clontech logo and all other trademarks are the property of Clontech Laboratories, Inc. Clontech is a Takara Bio Company. ©2005