

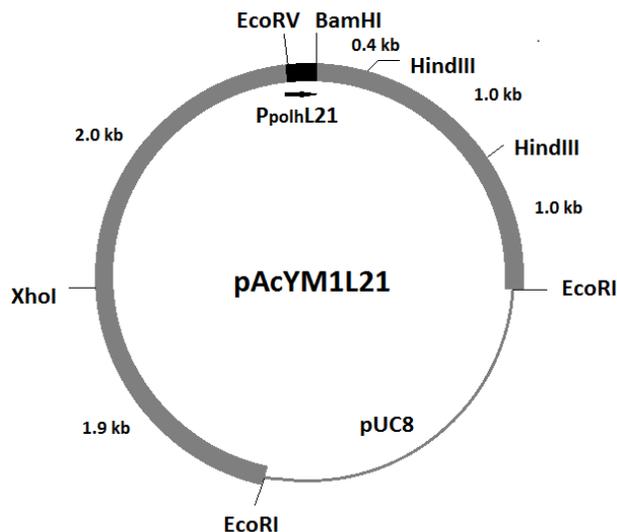
pAcYM1_L21 Baculovirus Transfer Vector

Product Summary

Cat. No: STV02
Quantity: 10 µg/20 µl
Storage: Store at -20°C
Stability: Stable for 6 months in appropriate conditions

Description:

pAcYM1_L21 is a baculovirus transfer vector designed for high level expression of foreign genes under the powerful AcMNPV polyhedrin promoter. The transfer vector is the modified transfer vector and is used to insert the foreign gene in the cloning steps. It has a bacterial origin of replication and an ampicillin resistance gene in pUC8. The polyhedrin gene sequences are deleted and there are both 5' noncoding and 3' noncoding DNA sequences of polyhedrin gene in pAcYM1_L21. BamHI is used for insertion of the foreign gene and restriction sites, including XhoI, EcoRV and HindIII, are used to confirm the orientation. There is a L21 enhancer is located between polyhedrin promoter and BamHI cloning site. The AcMNPV sequences flanking the gene, 4kb and 2kb, in the transfer vectors allow homologous recombination with the viral DNA to insert the expression cassette into the polyhedrin locus. pAcYM1_L21 is compatible with superBAC derivatives and any baculovirus system that utilizes homologous recombination in sf9 insect cells.



pAcYM1_L21 polyhedrin promoter sequence

GATATCATGGAGATAATTAAAAATGATAACCATCTCGCAAATAAA
EcoRV

TAAGTATTTTACTGTTTTTCGTAACAGTTTTGTAATAAAAAAACC
polyhedrin mRNA 5' end

TATAAATCGATCAACTCCTAAAAAACGCCACCGGATCCGTTAT
L21 enhancer BamHI

Related Products

| Product | Cat. No. |
|--|----------|
| pAcYM1 | STV01 |
| pAc | STV03 |
| pAc_L21 | STV04 |
| pAcYM1-polyhedrin baculovirus control vector | STV11 |
| Baculovirus genomic DNA with polyhedrin gene | STV21 |
| superBAC_wt baculovirus DNA | ST001 |
| superBAC_PDI baculovirus DNA | ST002 |
| superBAC_cdc37 baculovirus DNA | ST003 |

Please contact us for a complete list of the baculovirus related research products, services and further information.

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For Research Use Only. Not for Diagnostic or Therapeutic Use.

This transfer vector is used for cloning the foreign gene only. It is not used for diagnostic or therapeutic use. Any use of this product other than the permitted use without the express written authorization of SHEATECH is prohibited.