

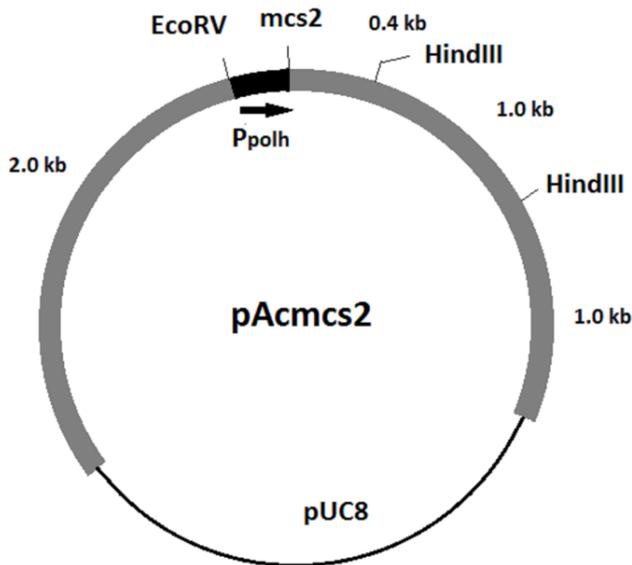
## pAcMcs2 Baculovirus Transfer Vector

### Product Summary

**Cat. No:** STV06  
**Quantity:** 10 µg/20 µl  
**Storage:** Store at -20°C  
**Stability:** Stable for 1 year in appropriate conditions

### Description:

pAcMcs2, modified from pAcYM1, 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 pAc. The multiple cloning site 2 (mcs2) is used for insertion of the foreign gene and restriction sites, including EcoRV and HindIII, are used to confirm the orientation. The AcMNPV sequences flanking the gene, 2kb and 2kb, in the transfer vectors allow homologous recombination with the viral DNA to insert the expression cassette into the polyhedrin locus. pAc vector is compatible with superBAC derivatives and any baculovirus system that utilizes homologous recombination in sf9 insect cells.



## pAcMcs2 polyhedrin promoter sequence

GATATCATGGAGATAAATAAAATGATAACCATCTCGCAAATAAA  
EcoRV

TAAGTATTTTACTGTTTTTCGTAACAGTTTTGTAAATAAAAAACC  
polyhedrin mRNA 5' end

TATAAATCGGATCTCTAGACTCGAGCTGCAGCGGCCGAGATCT  
XbaI XhoI PstI BglII

GATCCGTTATT

### Related Products

Product	Cat. No.
pAcYM1	STV01
pAcYM1_L21	STV02
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.