

Products

Content	Catalogue number	Amount/price	Link
superBAC_wt	STV001	0.5 µg/\$500.00	SuperBACintro.pdf 236.1 KB
superBAC_PDI	STV002	0.5 µg/\$500.00	SuperBAC_PDIntro.pdf 234.4 KB
superBAC_cdc37	STV003	0.5 µg/\$500.00	SuperBAC_cdc37intro.pdf 235.2 KB
pAcYM1	STV01	10 µg/\$200.00	pAcYM1.pdf 295.3 KB
pAcYM1_L21	STV02	10 µg/\$200.00	pAcYM1_L21.pdf 342.4 KB
pAc	STV03	10 µg/\$200.00	pAc.pdf 293.6 KB
pAc_L21	STV04	10 µg/\$200.00	pAc_L21.pdf 340.0 KB
pAcMcs1	STV05	10 µg/\$200.00	pAcMcs1.pdf 293.9 KB
pAcMcs2	STV06	10 µg/\$200.00	pAcMcs2.pdf 353.8 KB
pAcYM1-polyhedrin	STV11	10 µg/\$200.00	BV_control_vector_polyhedrin.pdf 229.2 KB
pVL-GFP-his	STV12	10 µg/\$200.00	BV_control_vector_GFP.pdf 255.0 KB
Baculovirus genomic DNA with polyhedrin	STV21	1.0 µg/\$400.00	Baculovirus_Control_DNA_polh.pdf 244.9 KB
Baculovirus genomic DNA with GFP-his	STV22	1.0 µg/\$400.00	Baculovirus_control_DNA_GFP.pdf 219.9 KB

Sheatech, Inc has recently developed baculovirus genomic DNA derivatives (*superBAC*). There are three advantages of *superBAC*: high quality virus genomic DNA, 100% recombinant virus, and direct amplification for protein expression in Baculovirus Expression System (BEVS).

SuperBAC provides a positive selection for creating baculovirus recombinants in preparation for generating recombinant protein expression in insect cells. *SuperBAC* is derived from a wild type AcMNPV genome, containing an ORF 1629 partial deletion, which prevents non-recombinant virus from replicating in insect cells. This baculovirus DNA significantly improves on the traditional method for generating recombinant baculovirus by eliminating the tedious and time-consuming steps of plaque purification.

SuperBAC is modified and integrated with folding protein genes, including PDI and cdc37, which are regulated by the baculovirus promoter. The folding protein genes remain in the recombinant virus genome after homologous recombination in sf9 insect cells.

Recently, *superBAC* derivatives, *superBAC_PDI* and *superBAC_cdc37* with single modification, have also been constructed. Other products, with double modifications in baculovirus genome are also in progress and are coming soon.

If *superBAC* does not improve the folding of your protein of interest, you may need to consider using a different specific folding protein gene in the baculovirus genome. Please feel free to give us any suggestions and discuss with our scientists. We aim to provide excellent products and services for you and we are happy to construct custom *superBAC* derivatives, helping your research grow and succeed.