

# BestBac™

## Linearized Baculovirus DNA

Expression Systems' popular BestBac™ Linearized Baculovirus DNA backbone has been engineered to deliver highly efficient recombination with all polyhedron gene locus-based transfer vectors. The resulting virus vector provides superior stability and purity compared to other systems.

- Unmatched productivity and stability for BEVS
- Improved production methodology can reduce need for plaque purification
- Produces high titers of 5E8 to 3E9 infectious units/ml of recombinant baculovirus in P1 stock
- Generates P1 stock as quickly as Bac-to-Bac® and other systems
- Each BestBac™ vial contains enough material for a minimum of five cotransfections
- Suitable for other expression vectors including BacMam™

### Available in Two Versions

- BestBac™ 1.0 is wild type at the cathepsin and chitinase (v-cath/chiA) loci, preferred for some applications.
- BestBac™ 2.0 is a deletion mutant of BestBac™ 1.0. The v-cath/chiA deletion removes a potentially detrimental protease and may reduce competition for resources for protein synthesis during late gene expression. The v-cath/chiA deletion can improve the integrity of your expressed protein resulting in a significant increase of functional protein yield.

### Also Available in a Cotransfection Kit

Contains everything you need to perform cotransfections with your transfer vector. Included in the kit are:

- BestBac™ DNA
- Transfection medium
- Expres<sup>2</sup> TR transfection reagent

### Specifications

Product	Linearized Baculovirus DNA
Shipping condition	2–8°C
Storage condition	2–8°C, do NOT freeze
Use-by date	One year from date of manufacture

Order today—and find helpful documentation at [expressionsystems.com](http://expressionsystems.com)



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Insect and Mammalian  
Cell Culture Media, Systems  
and Services

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### Additional Products

Expression Systems offers a variety of media formulations for insect and mammalian cell culture. Additionally, Expression Systems provides tools to support the baculovirus and host cell expression system including baculovirus vectors and kits to determine baculovirus production.

	Cell Culture Media and Reagents
96-001	ESF 921™ Insect Cell Culture Medium, Protein Free
99-300	ESF AF™ Insect Cell Culture Medium, Animal Free
96-200	ESF 921™ Delta Series Insect Cell Culture Medium, Methionine Deficient
96-299	ESF 921™ Delta Series Insect Cell Culture Medium, Custom Amino Acid Deficient
95-020	Transfection Medium
95-006	Production Boost Additive
98-001	ESF SFM Serum Free Cell Culture Medium For Hybridoma, CHO & 293 Cells

	Molecular Tools
95-055	Transfection Reagent
91-001	BestBac™ 1.0 Linearized Baculovirus DNA
91-002	BestBac™ 2.0 $\Delta v$ -cath/chiA Linearized Baculovirus DNA
91-100	BestBac™ 1.0 Baculovirus Cotransfection Kit
91-200	BestBac™ 2.0 $\Delta v$ -cath/chiA Baculovirus Cotransfection Kit
97-101	Baculovirus Titering Kit
97-201	gp64-PE Antibody

### About Expression Systems

Headquartered in Davis, California, Expression Systems specializes in the products, services and support necessary for high quality baculovirus protein production. Our unique focus in BEVS applications helps researchers and clinicians around the world work at the highest level of consistency. At any step in the process, from gene synthesis to protein purification, Expression Systems helps achieve best-in-class results.



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