

mobitec的巨大芽孢杆菌表达系统

产品名称	mobitec的巨大芽孢杆菌表达系统
公司名称	北京毕特博生物技术有限责任公司
价格	.00/支
规格参数	
公司地址	暂无
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产品详情

mobitec的巨大芽孢杆菌表达系统

hp-Vector表达系统megaterium芽孢杆菌

hp-Vector Expression Systems for Bacillus megaterium

Features:

- High performance vectors with optimized sequence
- Protein yield up to 10 times enhanced compared to protein expression with basic plasmid
- Plasmids with established MCS
- Encoding C- or N-terminal His-tag for versatile purification (native, 6xHis-tag)

Secretion with LipA or YocH signal peptide up to 9 fold increased

optimized high performance (hp) vectors for Bacillus megaterium!

MoBiTec provides a wide range of useful vectors for the B. megaterium system that are adaptable to most applications and protein purification methods. These include vectors carrying a secretion signal peptide sequence and a 6xHis-tag.

With our new hp-vectors yields up to 10-fold higher compared to the basic plasmids are possible. All plasmids have established multiple cloning sites (MCS) for versatile cloning. Furthermore we offer vectors encoding C- or N-terminal His-tags for easy purification. The protein secretion with LipA or YocH signal peptides is up to nine-fold

increased. Induction of protein expression of all vectors is achieved by the tightly regulated and efficiently inducible xylose operon.

Versatile system with a wide range of vectors

The *B. megaterium* expression system provides a versatile and easy-to-handle tool for stable and high-yield protein production, both small- and large-scale.

B. megaterium has proven to be an excellent alternative host to *E. coli* for heterologous gene expression. Unlike other bacilli strains, proteolytic degradation by alkaline proteases is avoided. In addition, there are no endotoxins found in the cell wall.

B. megaterium protoplasts specifically optimized for transformation

The protoplasts supplied by MoBiTec are from *B. megaterium* strain WH320, developed by Prof. Dr. W. Hillen at the Institute of Microbiology in Erlangen, Germany. These protoplasts are prepared according to an optimized protocol resulting in the highest transformation efficiencies.

For secretion vectors we offer protoplasts of strain MS941. Both strains are mutants of DSM319, where WH320 is a chemically mutant, while MS941 has a defined deletion in the gene of the major extracellular protease NprM.

Order Information, shipping and storage

Please click on the respective order # for further details.

order# description amount (订购货号信息)

BMEG02 *Bacillus megaterium* protoplasts ready for transformation (strain WH320;1)

Material is sufficient for 4 transformations plus control experiment. 5 x 500 l

BMEG50 *Bacillus megaterium* protoplasts, strain MS941 5 x 500 l

BMEG31 pC-His1623hp shuttle vector, C-term. 6xHis-tag; lyophilized DNA 10 µg

BMEG32 pN-His-TEV1623hp shuttle vector, N-term. His-tag, TEV-site 10 µg

BMEG30 p3STOP1623hp, shuttle vector, lyophilized DNA 10 µg

BMEG33 pSPLipA-hp, shuttle vector with signal sequence, lyophilized DNA 10 µg

BMEG34 pSPYocH-hp, shuttle vector with signal sequence, lyophilized DNA 10 g

shipped at RT, protoplasts shipped on dry ice

store lyophilized vectors at 4 ° C, reconstituted vectors at -20 ° C, protoplasts at -70 ° C

All vectors are *E. coli* / *B. megaterium* shuttle vectors

Please note that protoplasts of *Bacillus megaterium* have a limited shelf life of some months only, depending on the date of production. Therefore purchase and use of protoplasts must be thoroughly planned.

