Pet vector pdf

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Item Concentration Amount pET SUMO vector, linearizedng/ µl inmM Tris-HCl, pHmM EDTA, pHxlX PCR Buffer mM Tris-HCl, pH (at°C) mM KCl Overview. Note that the user must supply Taq polymerase. b The pET 3d andd plasmids have an Nco I cloning site, which is not present in a, b and c pET SUMO TA Cloning® Reagents The following reagents are included with the pET SUMO vector (Box 1). The pET vector system is a powerful and widely used system for expressing recombinant proteins in E. coli. Store Boxat °C. The gene of interest is cloned into the pET vector under the control of the strong bacteriophage T7 transcription and translation regulatory system. Unique sites are shown on the circle map. Activation of expression is achieved by providing T7 RNA polymerase within the cell pETa-c(+) cloning/expression region TB/The pETa-c(+) vectors carry an N-terminal His•Tag ®/thrombin/T7•Tag configuration plus an optional C-terminal His•Tag sequence. The construction of expression vector is a The maps for pETb(+) and pETc(+) are the same as pETa(+) (shown) with the following exceptions: pETb(+) is a bp plasmid; subtract 1bp from each site pETvector seriesa, b, c and d DNAa,b,c Four g tubes containing cesium chloride-banded, supercoiled plasmid DNA –20°C a The pET 3a, b, c and pETa, b, c plasmids have one base pair shift in the BamH I site, from a to b and b to c. pET-3a-d T7 Ap T7•Tag none none Basic pET vectors, offer single BamH I pET-5a-c T7 Ap T7•Tag none none cloning site inframes, except for pET-9a-d T7 Kan T7•Tag The pET System is the most powerful system yet developed for the cloning and expression of recombinant proteins in Escherichia coli Target genes are cloned in pET plasmids pET Expression Vectors The pET expression vectors, derived from the pBR plasmid, are engineered to take advantage of the features of the T7 bacteriophage genethat 1, · DOI: CC BY-NC-SA Authors: Zhi-Qiang Liu. Ping-Chang Yang. Activation of expression is achieved by providing T7 RNA polymerase within the cell The gene of interest is cloned into the pET vector under the control of the strong bacteriophage T7 transcription and translation regulatory system. The pET vector system is a powerful and widely used system for expressing recombinant proteins in E. coli. Abstract and Figures. Shenzhen University. Note that the sequence is numbered by the pBR convention, so the T7 expression region is reversed on the Overview.

Difficulté **Moyen**

Durée **38 jour(s)**

Catégories **Vêtement & Accessoire, Électronique, Musique & Sons, Recyclage & Upcycling, Robotique**

Coût **67 USD ($)**

Sommaire

Matériaux

Outils

Étape 1 -