BL21(DE3)pLysS Competent Cells

BL21(DE3)pLysS Competent Cells allow high-efficiency protein expression of any gene that is under the control of a T7 promoter and has a ribosome binding site. BL21(DE3)pLysS is lysogenic for λ-DE3, which contains the T7 bacteriophage gene I, encoding T7 RNA polymerase under the control of the *lac* UV5 promoter. BL21(DE3)pLysS also contains a plasmid, pLysS, which carries the gene encoding T7 lysozyme. T7 lysozyme lowers the background expression level of target genes under the control of the T7 promoter but does not interfere with the level of expression achieved following induction by IPTG. For researchers doi...

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Prices valid for US customers only

PRODUCT	SIZE	CONC.	CATALOG #	*LIST PRICE	ORDER QTY	
Single-Use BL21(DE3)pLysS Competent Cells Protocol MSDS Components	1ml (20 × 50µl)	-	L1195	$ 190.00		Add to cart
BL21(DE3)pLysS Competent Cells, >10^{6}cfu/µg Protocol MSDS Components	1ml (5 × 200µl)	-	L1191	$ 155.00		Add to cart

Storage Conditions

Store at –70°C.

For product intended use please see Patents & Disclaimers tab.

Protocols

E. coli Competent Cells Technical Bulletin

Related Citations

ATP modulation of Ca_{2+} release by type-2 and type-3 inositol (1, 4, 5)-triphosphate receptors. Differing ATP sensitivities and molecular determinants of action. 2008 *J. Biol. Chem.* **283**, 21579–87.

ATP binding to a unique site in the type-1 S2- inositol 1,4,5-triphosphate receptor defines susceptibility to phosphorylation by protein kinase A. 2006 *J. Biol. Chem.* **281**, 17410-17419.

Effect of species differences of stromelysin-1 (MMP-3) inhibitor potency: An explanation of inhibitor selectivity using homology modeling and chimeric proteins. 1999 *J. Biol. Chem.* **274**, 24881-24887.

Hyperphenylalaninemia with high levels of 7-biopterin is associated with mutations in the PCBD gene encoding the bifunctional protein pterin-4a-carbinolamine dehydratase and transcriptional coactivator (DCoH). 1998 *Am. J. Hum. Genet.* **62**, 1302-1311.

Use Restrictions

L1195, L1191 For Research Use Only. Not for Use in Diagnostic Procedures.

Patents - Disclaimers

L1195, L1191 **Usage Restrictions for the T7 Expression System**
The T7 expression system is based on technology developed at Brookhaven National Laboratory under contract with the U.S. Department of Energy and is the subject of patents assigned to Brookhaven Science Associates, LLC (BSA). This technology, including bacteria, phage and plasmids that carry the gene for T7 RNA polymerase, is to be used for academic or nonprofit laboratory or licensed commercial research purposes only. By accepting or using the T7 expression technology you agree to be bound by the following conditions set forth by BSA. The initial purchaser may refuse to accept the conditions of this notice by returning this product and the enclosed materials to Promega unused.

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