



71138 Rosetta-gami™ B(DE3)pLacI Competent Cells **Novagen®**

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Product number	Qty/Pk	Price	Delivery Date
		Please login to see your account specific pricing.	
71138-3	0.4 ml	USD 109.00	
71138-4	1 ml	USD 202.00	

Prices are subject to change without notice.

Expression host strains for pETBlue™ and pTriEx™ vectors are λDE3 lysogens that also carry the compatible pLacI plasmid, encoding the lac repressor. The pLacI plasmid confers chloramphenicol resistance and provides enough lac repressor to inhibit transcription from the T7lac promoter in the absence of inducer. The NovaBlue host strain is recommended for initial cloning with pETBlue and pTriEx vectors due to its superior transformation efficiency and high yields of high-quality plasmid DNA.

Note that these strains are not recommended for use with pET, pACYCDuet™, pCDF, pRSF, pCOLADuet™ or pETcoco™ vectors.

. Rosetta-gami B strains combine the key features of BL21 (and its Tuner™ derivative), Origami, and Rosetta to enhance both the expression of eukaryotic proteins and the formation of target protein disulfide bonds in the bacterial cytoplasm. These strains are compatible with ampicillin- or spectinomycin-resistant vectors. In Rosetta-gami B(DE3)pLacI, the rare tRNA genes are present on the same plasmid that carries the lac repressor gene.

DE3 indicates that the host is a lysogen of λDE3, and therefore carries a chromosomal copy of the T7 RNA polymerase gene under control of the lacUV5 promoter. Such strains are suitable for production of protein

from target genes cloned in pET vectors by induction with IPTG. Genotype: F⁻ ompT hsdS_B (r_B⁻ m_B⁻) gal dcm lacY1 ahpC (DE3) gor522::Tn10 trxB pLacI RARE (Cam^R, Kan^R, Tet^R)

Product information

Avoid freeze/thaw	Yes		
Components	0.4 ml	1 ml	Component
	• 2 × 0.2 ml	5 × 0.2 ml	Rosetta-gami B(DE3)pLacI Competent Cells
	• 2 × 2 ml	4 × 2 ml	SOC Medium
	• 2 ng	2 ng	Test Plasmid

Store and ship information

Storage	≤ -70°C
Ship	Dry Ice Only Multiple Toxicity Values, refer to MSDS
Licence Brookhaven	This product is covered under license from Brookhaven National Labs. Commercial entities need to obtain a research use license prior to purchase. Please contact your licensing department to confirm that your company already holds a research use license.