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SUPPORTING INFECTIOUS DISEASE RESEARCH

Certificate of Analysis for NR-41865

Expression Vector Containing the Ferritin Gene Fragment from *Biomphalaria glabrata,* Recombinant in *Escherichia coli*

Catalog No. NR-41865

This reagent is the tangible property of the U.S. Government.

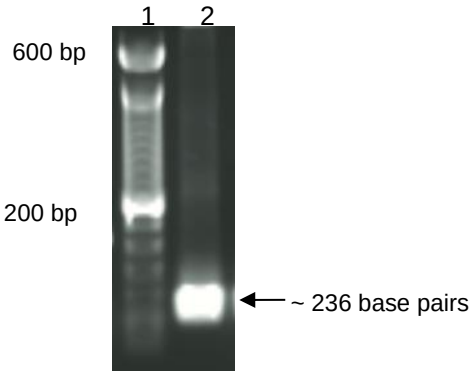
Product Description: NR-41865 is an expression vector (pCR®2.1-TOPO®) containing a fragment of the ferritin gene from *Biomphalaria glabrata* (*B. glabrata*), transformed into *Escherichia coli* (*E. coli*), strain DH5α.

Lot[1,2]: 10032012 **Manufacturing Date: 04SEP2012**

TEST	SPECIFICATIONS	RESULTS
Qualification by PCR[3] Amplification with ferritin gene specific primer pair	236 base pair amplicon	~ 236 base pair amplicon (Figure 1)

[1]QC testing was performed by the Biomedical Research Institute, Rockville, MD (NIH-NIAID Contract HHSN272201000005I)
[2]Plasmid DNA was extracted from *E. coli* culture grown overnight in Luria-Bertani (LB) broth with 100 µg/mL ampicillin, using a commercially available kit.
[3]Ittiprasert, W., et al. "Identification of Immediate Response Genes Dominantly Expressed in Juvenile Resistant and Susceptible *Biomphalaria glabrata* Snails Upon Exposure to *Schistosoma mansoni*." Mol. Biochem. Parasitol. 169 (2010): 27-39. PubMed: 19815034.

Figure 1: Amplification of Ferritin Gene Fragment



Lane 1: 100 base pair ladder
Lane 2: 100 ng of amplified PCR product

Date: 08 AUG 2014 **Signature:**

Title: Technical Manager, BEI Authentication or designee

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