

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

Catalog No. NR-41872

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Product Description: NR-41872 is an expression vector (pCR[®]2.1-TOPO[®]) containing a fragment of the melanogenic peroxidase gene from *Biomphalaria glabrata*, transformed into *Escherichia coli* (*E. coli*), strain DH5 α .

Lot^{1,2}: 10032012

Manufacturing Date: 04SEP2012

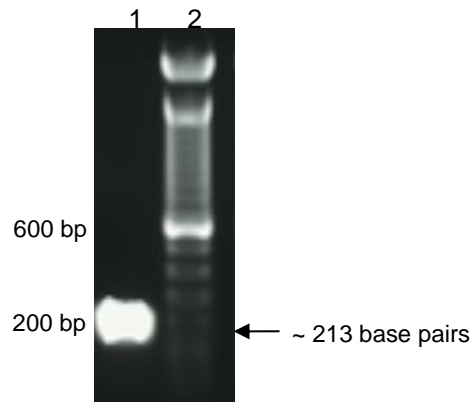
TEST	SPECIFICATIONS	RESULTS
Qualification by PCR³ Amplification with melanogenic peroxidase gene specific primer pair	213 base pair amplicon	~ 213 base pair amplicon (Figure 1)

¹QC testing was performed by the Biomedical Research Institute, Rockville, MD (NIH-NIAID Contract HHSN2722010000051)

²Plasmid DNA was extracted from *E. coli* culture grown overnight in Luria-Bertani (LB) broth with 100 μ g/mL ampicillin, using a commercially available kit.

³Ittiprasert, 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 Melanogenic Peroxidase Gene Fragment



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

Date: 18 AUG 2014

Signature:

Title: Technical Manager, BEI Authentication or designee

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