

Certificate of Analysis for NR-41870

Expression Vector Containing the Low Density Lipoprotein Receptor (LDL-R) Gene Fragment from Biomphalaria glabrata, Recombinant in Escherichia coli

Catalog No. NR-41870

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

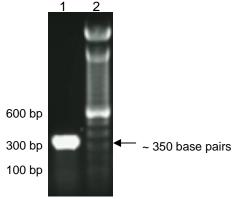
NR-41870 is an expression vector (pCR®2.1-TOPO®) containing a Product Description: fragment of the LDL-R gene from Biomphalaria glabrata, transformed into Escherichia coli (E. coli). strain DH5α.

Lot^{1,2}: 10032012 Manufacturing Date: 04SEP2012

TEST	SPECIFICATIONS	RESULTS
Qualification by PCR ³		
Amplification with LDL-R gene specific gene primer pair	350 base pair amplicon	~ 350 base pair amplicon (Figure 1)

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

Figure 1: Amplification of LDL-R Gene Fragment



Lane 1: 100 base pair ladder

Lane 2: 100 ng of amplified PCR product

Date: 15 AUG 2014

Signature:

Technical Manager, BEI Authentication or designee Title:

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NR-41870_10032012_15AUG2014

²Plasmid DNA was extracted from *E. coli* culture grown overnight in Luria-Bertani (LB) broth with 100 μg/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.