Expression Vector Containing the Receptor Activated C-Kinase (RACK) Gene Fragment from *Biomphalaria glabrata*, Recombinant in *Escherichia coli*

Catalog No. NR-41873
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For research use only. Not for human use.

Contributor and Manufacturer:
Matthew S. Tucker, Head Schistosomiasis Laboratory and Principal Investigator, Biomedical Research Institute, Rockville, Maryland, USA (NIH-NIAID Contract N01-AI-3-0036)

Product Description:
NR-41873 is an expression vector (pCR®2.1-TOPO®) containing a fragment of the RACK gene from *Biomphalaria glabrata* (*B. glabrata*), transformed into *Escherichia coli* (*E. coli*), strain DH5α.1,2
To create the insert, RNA was extracted from juvenile *B. glabrata*, strain BS90, that were exposed to *Schistosoma mansoni*. First strand cDNA was synthesized with oligo(dT)15. To construct the library, first strand cDNA was processed into all steps of suppression subtractive hybridization (SSH) using the Clontech® PCR-Select™ cDNA Subtraction Kit. PCR was performed using adaptor-specific primers for the RACK gene fragment. The amplified product was cloned into pCR®2.1-TOPO® (Invitrogen™ Life Technologies™) cloning vector, and was transformed into *E. coli*, strain DH5α.1,2

The expressed sequence tag (EST) of the RACK gene fragment is available (GenBank: GH716153).

Material Provided:
Each vial contains approximately 1 mL of *E. coli*, strain DH5α, in Luria Bertani (LB) broth containing 100 μg/mL of ampicillin supplemented with 15% glycerol.

Packaging/Storage:
NR-41873 was packaged aseptically in screw-capped cryovials. The product is provided frozen on dry ice and should be stored at -80°C or colder immediately upon arrival. Freezethaw cycles should be minimized.

Citation:
Acknowledgment for publications should read “The following reagent was provided by the NIAID Schistosomiasis Resource Center for distribution through BEI Resources, NIAID, NIH: Expression Vector Containing the Receptor Activated C-Kinase (RACK) Gene Fragment from *Biomphalaria glabrata*, Recombinant in *Escherichia coli*, NR-41873."

Biosafety Level: 1

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References:

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