Vector Containing the Lysosomal Acid Phosphatase Gene Fragment from *Schistosoma haematobium*, Recombinant in *Escherichia coli*

**Catalog No. NR-49847**
This reagent is the tangible property of the U.S. Government.

**For research use only. Not for human use.**

**Contributor and Manufacturer:**
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**Product Description:**
NR-49847 is the lysosomal acid phosphatase (LAP) gene fragment from *Schistosoma haematobium* (*S. haematobium*), cloned into Gateway™ Entry Vector pDONR™222, recombinant in *Escherichia coli*. To create the insert, RNA was extracted from *S. haematobium*. First strand cDNA was synthesized using Biotin-5′B-Oligo(dT) primer. To construct the library, first strand cDNA was processed into all steps of CloneMiner™ II cDNA Library Construction Kit (Life Technologies™). The amplified product was cloned into pDONR™222 (Invitrogen™ Life Technologies™) cloning vector, and was transformed into ElectroMAX™ DH10B™ T1 phage resistant cells. Random colonies were individually screened by *Bsr G* I digestion to check the presence and size of insert.

The expressed sequence tag (EST) of the LAP gene fragment is available (GenBank: JZ822471).

**Material Provided:**
Each vial contains approximately 500 µL of cultured transformant in 10% glycerol.

**Packaging/Storage:**
NR-49847 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. Freeze-thaw 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: Vector Containing the Lysosomal Acid Phosphatase Gene Fragment from *Schistosoma haematobium*, Recombinant in *Escherichia coli*, NR-49847.”

**Biosafety Level:** 1

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**References:**

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