Vector Containing the Phosphoglycerate Kinase Gene Fragment from Schistosoma haematobium

Catalog No. NR-49836
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For research use only. Not for human use.

Contributor and Manufacturer:
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Product Description:
NR-49836 is the phosphoglycerate kinase (PGK) gene fragment from Schistosoma haematobium (S. haematobium), cloned into Gateway® Entry Vector pDONR™222.1,2

To create the insert, RNA was extracted from S. haematobium. First strand cDNA was synthesized using Biotin-af6-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 BerG I digestion to check the presence and size of insert.1,2

The expressed sequence tag (EST) of the PGK gene fragment is available (GenBank: JZ822403).

Material Provided:
Each vial contains approximately 10 µg of vector DNA in DNase/RNase-free distilled water.

Packaging/Storage:
NR-49836 was packaged aseptically in screw-capped cryovials. The product is provided frozen and should be stored at -20°C or colder 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 Phosphoglycerate Kinase Gene Fragment from Schistosoma haematobium, NR-49836.”

Biosafety Level: 1

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References:

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