

Vector Containing the Cathepsin B Gene Fragment from *Schistosoma haematobium*

Catalog No. NR-49841

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Product Description: NR-49841 is the cathepsin B (CathB) gene fragment from *Schistosoma haematobium* (*S. haematobium*), cloned into Gateway® Entry Vector pDONR™222.

Lot^{1,2}: 63792189

Manufacturing Date: 20JUL2015

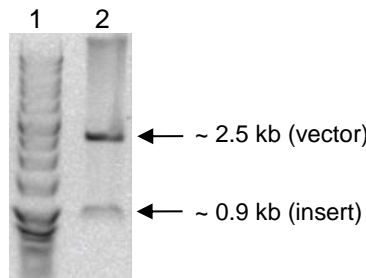
TEST	SPECIFICATIONS	RESULTS
Agarose Gel Electrophoresis Digestion with <i>BsrG I</i> ³	~ 0.9 kilobase pairs (insert); ~ 2.5 kilobase pairs (vector)	~ 0.9 kilobase pairs; ~ 2.5 kilobase pairs (Figure 1)
OD₂₆₀/OD₂₈₀ Ratio	1.70 to 2.20	1.80

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

²Plasmid DNA was extracted from overnight bacterial culture in Luria-Bertani (LB) broth with 50 µg/mL kanamycin, using a commercially available kit.

³2 µg of DNA was digested with *BsrG I* for one hour at 37°C.

Figure 1: Restriction Enzyme Digestion of CathB Gene Fragment



Lane 1: 1 kb ladder

Lane 2: 2 µg of digested vector DNA

Date: 20 JAN 2016

Signature:

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