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## Certificate of Analysis

### NIH\_MGC\_421 Rat Embryo Heart Normalized cDNA Library

**Date:** April 4, 2007

**Tissue description:** Total RNA isolated from 13 day old embryo heart tissue harvested from male and female Brown Norway Rats (BN/Mcwi).

**Vector:** pExpress 1 (Not I—blunt, Eco RV)

**Cells used for Electroporation:** DH10B *E. coli* bacterial cells, T1 phage resistant

**Diluent:** 80% SOC:20% Glycerol

**Number of Tubes:** 1

**Total Volume:** 1 ml

**Titer:**  $5 \times 10^9$  cfu/ml

**Average insert size:** 2.0 kb

**Recombinants:** 95%

**Actin reduction:** 85-fold reduction compared to primary library

**Storage conditions:** -80° C

**Primer(s) for sequencing:** M13FWD      GTA AAA CGA CGG CCA GT  
M13REV      CAG GAA ACA GCT ATG AC

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