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Certificate of Analysis

Human Embryonic Stem Cells

Normalized cDNA Library

Date: April 4, 2007

Catalog number: 12259-N

Tissue description: Human embryonic Stem cells isolated from the Inner Cell Mass of Blastocyst stage embryos and differentiated to an early endodermal cell type.

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

Volume: 1 ml

Titer: 5×10^9 cfu/ml

Average insert size: 1.6 kb

Recombinants: 98%

Actin reduction: 180-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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XpressBio provides innovative state-of-the-art cDNA libraries for life science research.