



Certificate of Analysis

U87MG Human Glioma in pLenti6/V5-D-TOPO Standard cDNA Library

Date: December 3, 2005

Catalog No.: CSL1159, Standard cDNA Library

Customer ID No.: PO# 050422OBS5

Tissue description: mRNA from the human tumor cell line, U87-M6.

Vector: pLenti6/V5-D-TOPO (*Eco* RI)

Cells used for Electroporation: ElectroMAX Stbl4 (grow better in LB made from components)

Diluent: 80% SOC:20%Glycerol

Number of 2059 Tubes: 5

Total volume: 8.0 ml

Titer: 8.0×10^5 cfu/ml

Average insert size: 1.6 kb

Clone (24) size range of the QC: 0.4 to 3.2 kb

Recombinants: 92%

Storage conditions: -80° C

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

A glioblastoma is the highest de-differentiated form of an astrocytic brain tumor. These tumors are the most common and lethal tumor type in the brain, refractory to chemotherapy in the majority of cases. The U87-MG cell line is used as an in vitro model of the human glioblastoma. We constructed a U87-MG cell line cDNA library in a lentiviral vector. The lentiviral vector will enable the effective delivery of these cDNAs into whole model organisms and nearly all mammalian cells, including nondividing and difficult to transfect cells, such as terminally differentiated neurons and stem cells.

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