

Hypoxia-Reporting Rat Glioma Cell Line

Published date: May 11, 2009

Technology description

Technical Summary

The pBI-GL-HRE V6R plasmid containing six copies of hypoxic responsive element (HRE) derived from the human VEGF gene was used to generate a plasmid (pACN188) containing an alkaline phosphatase gene under the V6R HRE promoter. LN229 cells were cotransfected with the resulting plasmid and pcDNA3 vector carrying a neomycin-resistant gene. Stable clones were selected by through antibiotic resistance and further tested for hypoxia inducible alkaline phosphatase expression. The clone (LN229-HRE-AP #16) with the highest expression ratio of alkaline phosphatase enzymatic activity under hypoxia versus normoxia was selected for further use.

Application area

Compound screening

Institution

Emory University

Inventors

Dawn Post SOM Erwin Van Meir Professor, Neurosurgery & Hematology & Medical Oncology Department of Neurosurgery Hyunsuk Shim Professor & Scientific Director, Radiation Oncology SOM: Rad Onc: Admin

联系我们



叶先生

电话: 021-65679356 手机: 13414935137 邮箱: yeyingsheng@zf-ym.com