

Product sheet

C6 | 500142

Product Name

Description

C6 is a cell line derived from a human glioma. It is characterized by its high proliferation rate and its ability to form neurospheres. The cell line is maintained in DMEM/F12 supplemented with BDNF and EGF. Key features include the expression of neural stem cell markers such as Nestin, Sox2, and Oct4. C6 cells are highly tumorigenic when injected into immunodeficient mice. The cell line is sensitive to various growth inhibitors, including p53, Rb, and p16/Cdkn2a/Ink4a. C6 cells also express various growth factors and cytokines, including IGF-2, FGF-9, FGF-10, and MMP-7. The cell line is highly resistant to apoptosis and has a high degree of genetic stability. C6 cells are a valuable tool for studying glioma biology and for testing novel therapeutic approaches.

Organism Human

Tissue Brain

Disease Glioma

Synonyms C-6, C 6, RGC-6, RGC6, RGc6

Product Characteristics

Age 1-3 months

Gender Male

Morphology Adherent, Epithelial

Cell type Glioma

Growth properties High proliferation rate

Product Information

Citation C6 (ATCC CCL-221) | Cytion 500142

Biosafety level 1

NCBI_TaxID 10116

Cell C6 | 500142

Freeze medium [Redacted]

Thawing and Culturing Cells

1. [Redacted]
2. [Redacted]
3. [Redacted]
4. [Redacted]
5. [Redacted]
6. [Redacted]
7. [Redacted]
8. [Redacted]

Incubation Atmosphere 37°C, 5% CO₂, [Redacted]

Flask Coating [Redacted]

Freezing Procedure [Redacted] -78°C

Shipping Conditions [Redacted] -78°C

Storage Conditions [Redacted] -150 °C 196 [Redacted]

[Redacted] / [Redacted] / HLA

