

Specific Identification, Isolation and Purification of Adult Human Hippocampal Neuronal Progenitor Cells

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Technology description

This invention describes a method to isolate neural progenitors from the adult or fetal human hippocampus - specifically from the dentus gyrus - using the FACS method of D-1997 with the ta1-tubulin and nestin promoters. The isolated and cultured cells are provided as well.

As the hippocampus is integral for learning and memory, and as most dementing illnesses, including AD and PD, as well as epilepsy, involve damage to the hippocampal dentate cell population, this is a crucial set of cells for cell-therapy approaches to these diseases.

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