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(54) Title: HUMAN OTIC PROGENITOR IDENTIFICATION AND ISOLATION

(57) Abstract: The present invention relates generally to the identification and isolation of human otic progenitor cells. More specifically, the present invention relates to a method of using cell markers to identify and isolate human otic progenitor cells from a mixed population of cells, methods of enrichment and production of human otic progenitor cells, and associated kits for use in identification and/or isolation of human otic progenitor cells, wherein the cell markers are selected from SSEA1 (CD15), disialoganglioside GD3, TRA-2-49 (liver/bone/ kidney alkaline phosphatase), SSEA4, ganglioside GD2 and CD141.

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