ABSTRACT

Provided are a method of preparing a stem cell-derived epidermal progenitor cell conditioned medium, the method including: differentiating stem cells to stem cell-derived epidermal progenitor cells by culturing the stem cells in a differentiation medium containing ascorbic acid and hydrocortisone; producing a culture of stem cell-derived epidermal progenitor cells by culturing the differentiated stem cell-derived epidermal progenitor cells in a medium; and recovering the stem cell-derived epidermal progenitor cell conditioned medium from the culture of the stem cell-derived epidermal progenitor cells, a stem cell-derived epidermal progenitor cell conditioned medium prepared by the method, and a method of producing a protein from stem cell-derived epidermal progenitor cells, the method including the method of preparing the stem cell-derived epidermal progenitor cell conditioned medium.