



# United States Patent [19]

Brizzard et al.

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[54] **METHOD OF IDENTIFYING CELLS WITH POLYPEPTIDE SURFACE MARKER**

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### Related U.S. Application Data

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[52] **U.S. Cl.** ..... **435/7.21**; 435/29; 435/34

[58] **Field of Search** ..... 435/7.1, 4, 320.1, 435/7.21, 29, 34, 69.1, 70.1, 70.3, 172.1; 536/23.1, 24.1

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### [57] **ABSTRACT**

This invention discloses a gene for the identification of cells comprising a secretion leader segment, a cell marker segment and a transmembrane segment. The gene can be used to identify cells transfected with the gene by the steps of: inserting the gene having a secretion leader segment, a cell marker segment and a transmembrane segment into the DNA or RNA of a cell, allowing the cell to express the gene, and detecting the expressed cell marker segment of the gene.

**10 Claims, 3 Drawing Sheets**