Title (en)

HUMAN MAMMARY CELL GROWTH INHIBITOR AND METHODS OF PRODUCTION AND USE

Publication

EP 0414807 A4 19910703 (EN)

Application

EP 89906658 A 19890522

Priority

US 19665788 A 19880520

Abstract (en)

[origin: WO8911492A1] A human mammary cell growth inhibitor, and novel compositions comprising enhanced and purified concentrations thereof, inhibits the growth of human mammary cells. Inhibitor of the present invention purified by monoclonal antibody affinity chromatography comprises a thermolabile protein and has peaks of inhibitory activity at molecular weights of about 47,000 and about 63,000-67,000, as determined by SDS-PAGE. The inhibitory activity of the inhibitor is mammary cell specific, and is both calcium and dose-dependent. Increased production of the inhibitor can be induced by growth of inhibitor-secreting human mammary cells in low concentrations of calcium. The inhibitor can be used prophylactically to decrease the risk of breast cancer, to screen for the risk or presence of breast cancer, and as a therapeutic agent for the treatment of breast cancer.

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Citation (search report)

- No further relevant documents have been disclosed.
- See references of WO 8911492A1

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