Giant Obscurins: Novel Tumor and Metastasis Suppressors in Breast Cancer with Prognostic and Therapeutic Potentials

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Technology description

Provided herein are methods and kits for evaluating potential for invasiveness, metastasis, or recurrence of an epithelial cell cancer. In the methods the expression profile of giant obscurins is detected in a tissue sample of tumor cells or suspected tumor cells and assessed for giant obscuring expression level and distribution therein. Decreased levels or altered distribution of giant obscurins in the cells compared to a control non-invasive standard or to a sample taken at a different point in time is indicative of increased potential of at least one of the invasiveness, metastasis, or recurrence of the epithelial cell cancer. The kit comprises a detection reagent suitable for detecting the presence and distribution of giant obscurins or an amount of the gene product(s) encoding giant obscurins in cells of a tissue sample and instructions for using the detection reagent.

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