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(54) Title: METHODS FOR IDENTIFICATION OF CANCER CELL SURFACE MOLECULES AND CANCER SPECIFIC PROMOTERS, AND THERAPEUTIC USES THEREOF

(57) Abstract: The present invention describes methods for identification of molecules expressed at a different level on the cell surface of cancer cells compared to non-malignant cells and methods of identification of cancer specific promoters to be used singly or in combination for delivery and expression of therapeutic genes for treatment of cancer. The invention furthermore describes targeting complexes targeted to cell surface molecules identified by the methods of the invention. In embodiments of the invention said targeting complexes comprise the promoters identified by the methods of the invention. In addition the invention describes methods of identifying binding partners for the cell surface molecules and the binding partners per se. Methods of treatment using the targeting complexes and uses of the targeting complexes for the preparation of a medicament are also disclosed by the invention. Furthermore, the invention describes uses of the cell surface molecules or fragments thereof for preparation of vaccines.

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