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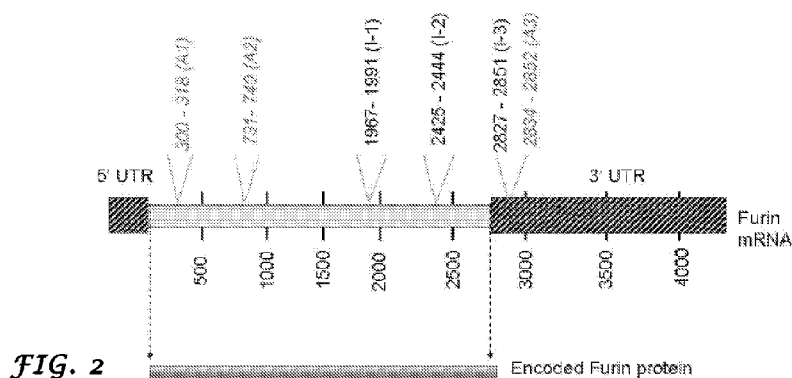
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(54) Title: FURIN-KNOCKDOWN BI-FUNCTIONAL RNA



(57) Abstract: The present invention includes compositions and methods to attenuate the immunosuppressive activity of TGF- β through the use of bi-functional shRNAs to knock down the expression of furin in cancer cells, and to augment tumor antigen expression, presentation, and processing through expression of the GM-CSF transgene.