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(54) Title: CYTOKINE ENCODING LENTIVIRAL VECTORS AND USES THEREOF FOR MAKING TUMOR INFILTRATING
LYMPHOCYTES

(57) Abstract: Provided herein are cytokine-encoding nucleic acid molecules, such as recombinant expression vectors, and uses thereof
to make modified tumor infiltrating lymphocytes (TILs), wherein the modified TILs include one or more immunomodulatory agents
(e.g. cytokines) associated with their cell surface. The immunomodulatory agents associated with the TILs provide a localized im-
munostimulatory effect that can advantageously enhance TIL survival, proliferation and/or anti-tumor activity in a patient recipient. As
such, the compositions and methods disclosed herein provide effective cancer therapies.



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