COMPOSITIONS AND METHODS FOR PRODUCING AND OPTIMIZING VIRAL VECTOR PRODUCER CELLS FOR CELL AND GENE THERAPY

ABSTRACT

The present disclosure provides compositions and methods for producing and optimizing stable viral vector producer cell lines that enable industrial scale production of viral vectors. Novel viral vector genome constructs and novel vector accessory constructs encoding viral accessory proteins, in which the constructs allow for stoichiometric changes after integration into a host cell genome without the introduction of new coding sequences or constructs, are also disclosed for efficient production of viral vectors in mammalian cells.

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