

Title (en)

METHODS AND COMPOSITIONS FOR INCREASING CAPPING EFFICIENCY OF TRANSCRIBED RNA

Title (de)

VERFAHREN UND ZUSAMMENSETZUNGEN ZUR ERHÖHUNG DER VERKAPPUNGSEFFIZIENZ VON TRANSKRIBIERTER RNA

Title (fr)

PROCÉDÉS ET COMPOSITIONS POUR AUGMENTER L'EFFICACITÉ DE COIFFAGE D'UN ARN TRANSCRIT

Publication

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Application

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Abstract (en)

[origin: WO2020072914A1] Methods and compositions for capping RNA in an in vitro transcription (IVT) mixture are provided that include a thermostable RNA polymerase variant and a cap analog such that when a DNA template is added to the mixture, and the mixture is then incubated under conditions for in vitro transcription, capped RNA is produced. The methods describe high capping efficiencies at elevated temperatures as well as at standard temperatures for IVT. The RNA polymerase used is a thermostable variant of the T7 RNA polymerase, named polymerase M20, which comprises substitutions at positions 388 and 567, in particular D388E and V567P.

IPC 8 full level

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CPC (source: EP)

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