

Title (en)

FAUSTOVIRUS CAPPING ENZYME, MRNA CAPPING ENZYME COMPOSITIONS, METHODS AND KITS

Title (de)

FAUSTOVIRUS-KAPPUNGSENZYM, MRNA-KAPPUNGSENZYMZUSAMMENSETZUNGEN, VERFAHREN UND KITS

Title (fr)

ENZYME DE COIFFAGE DE FAUSTOVIRUS, COMPOSITIONS D'ENZYME DE COIFFAGE D'ARNM, PROCÉDÉS ET NÉCESSAIRES

Publication

EP 4284922 A1 20231206 (EN)

Application

EP 21707503 A 20210127

Priority

US 2021015320 W 20210127

Abstract (en)

[origin: WO2022164428A1] The present disclosure relates to compositions, kits, and methods of making RNA vaccines having an appropriate cap structure. Systems, apparatus, compositions, and/or methods may include and/or use, in some embodiments, non- naturally occurring single-chain RNA capping enzymes. In some embodiments, an RNA capping enzyme may include an FCE variant having (a) an amino acid sequence at least 90% identical to positions 1 to 878 of SEQ ID NO: 1, and/or (b) one or more substitutions relative to SEQ ID NO: 1 at a position selected from positions corresponding to positions 215, 337, 572, 648, and 833 (e.g., a position selected from positions corresponding to position 215, 337, and 572) of SEQ ID NO: 1.

IPC 8 full level

C12N 9/12 (2006.01)

CPC (source: EP)

C12N 9/1241 (2013.01); **C12Y 207/0705** (2013.01)

Citation (search report)

See references of WO 2022164428A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

WO 2022164428 A1 20220804; AU 2021424650 A1 20230817; EP 4284922 A1 20231206

DOCDB simple family (application)

US 2021015320 W 20210127; AU 2021424650 A 20210127; EP 21707503 A 20210127