

Title (en)

METHOD FOR ISOLATING SMALL RNA-MOLECULES USING HC-PRO PROTEIN

Title (de)

VERFAHREN ZUR ISOLIERUNG VON SMALL-RNA-MOLEKÜLEN MIT HC-PRO-PROTEIN

Title (fr)

PROCÉDÉ POUR ISOLER DES PETITES MOLÉCULES D'ARN UTILISANT LA PROTÉINE HC-PRO

Publication

**EP 2571985 A1 20130327 (EN)**

Application

**EP 10776383 A 20101116**

Priority

- EP 10005298 A 20100520
- EP 2010067583 W 20101116
- EP 10776383 A 20101116

Abstract (en)

[origin: EP2388325A1] The present invention relates to a method for isolating small RNA-molecules (sRNAs) from a sample using Helper-component-protein (HC-Pro) from potyviruses. The present invention furthermore relates to an improved method for isolating sRNAs from a sample using HC-Pro together with a cupin protein or the cupin 2-superfamily domain thereof. The methods of the present invention can be used in the treatment, diagnosis and monitoring of diseases, for screening compounds modifying the number, amount, and/or concentration of sRNAs. Finally, the invention also relates to a kit for isolating sRNAs from a sample.

IPC 8 full level

**C12N 15/10** (2006.01); **C07K 14/01** (2006.01); **G01N 33/53** (2006.01)

CPC (source: EP)

**C07K 14/005** (2013.01); **C12Q 1/6806** (2013.01); **G01N 33/5308** (2013.01); **C07K 2319/21** (2013.01); **C07K 2319/24** (2013.01); **C07K 2319/60** (2013.01); **C12N 2770/34022** (2013.01)

C-Set (source: EP)

**C12Q 1/6806** + **C12Q 2522/101**

Citation (search report)

See references of WO 2011144264A1

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

DOCDB simple family (publication)

**EP 2388325 A1 20111123**; EP 2571985 A1 20130327; WO 2011144264 A1 20111124

DOCDB simple family (application)

**EP 10005298 A 20100520**; EP 10776383 A 20101116; EP 2010067583 W 20101116