

Accepted Manuscript

Recombinant mutagenic 3ABC protein and monoclonal antibody for quality-control testing in foot-and-mouth disease vaccines

Adriana Sierra González, Ana Luiza Guimarães Assmann, Celso Raul Romero Ramos, Miryam Marroquin Quelopana, Aline Carolina Aleixo Silva, Vanete Thomaz-Soccol

PII: S0166-3542(18)30116-5

DOI: [10.1016/j.antiviral.2018.07.002](https://doi.org/10.1016/j.antiviral.2018.07.002)

Reference: AVR 4323

To appear in: *Antiviral Research*

Received Date: 28 February 2018

Revised Date: 25 June 2018

Accepted Date: 2 July 2018

Please cite this article as: González, A.S., Guimarães Assmann, A.L., Romero Ramos, C.R., Quelopana, M.M., Aleixo Silva, A.C., Thomaz-Soccol, V., Recombinant mutagenic 3ABC protein and monoclonal antibody for quality-control testing in foot-and-mouth disease vaccines, *Antiviral Research* (2018), doi: 10.1016/j.antiviral.2018.07.002.

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.



Recombinant mutagenic 3ABC protein and monoclonal antibody for quality-control testing in foot-and-mouth disease vaccines

Running title: Synthetic reagents for quality control

Adriana Sierra González^{a,1}, Ana Luiza Guimarães Assmann^{a,b,2}, Celso Raul Romero Ramos^a, Miryam Marroquin Quelopana^a, Aline Carolina Aleixo Silva^a Vanete Thomaz-Soccol^b

1 and 2 - These authors contributed equally to this work.

^a Ourofino Animal Health, Rod. Anhanguera SP 330 Km298, Cravinhos, São Paulo, Brazil

^b Graduate Program in Biotechnology, Federal University of Paraná, Curitiba, Paraná, Brazil

***Corresponding author.** Vanete Thomaz-Soccol, Departamento de Engenharia de Bioprocessos e Biotecnologia, Universidade Federal do Paraná, Centro Politécnico, CEP81531-980, Curitiba, Paraná, Brazil. Tel: +55-41-33613191; Fax: +55-4133613272; vanetesoccol@gmail.com

Download English Version:

<https://daneshyari.com/en/article/8523010>

Download Persian Version:

<https://daneshyari.com/article/8523010>

[Daneshyari.com](https://daneshyari.com)