

Title (en)
TARGETED ADAPTIVE VACCINES

Title (de)
GERICHTETE ADAPTIVE IMPFSTOFFE

Title (fr)
VACCINS ADAPTATIFS CIBLÉS

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Application
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Abstract (en)
[origin: WO2016201377A1] The invention relates to compositions and methods for the preparation, manufacture and therapeutic use of polynucleotide molecules encoding targeted adaptive vaccines (TAVs), such as PCSK9 TAVs, TNF alpha TAVs, IL-17A TAVs, or GDF8 TAVs.

IPC 8 full level
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Citation (search report)
• [Y] US 2014206852 A1 20140724 - HOGE STEPHEN G [US], et al
• [YP] WO 2015085318 A2 20150611 - MODERNA THERAPEUTICS INC [US]
• [A] WO 2015024666 A1 20150226 - CUREVAC GMBH [DE]
• [Y] GERGANA GALABOVA ET AL: "Peptide-Based Anti-PCSK9 Vaccines - An Approach for Long-Term LDLc Management", PLOS ONE, vol. 9, no. 12, 4 December 2014 (2014-12-04), pages e114469, XP055579730, DOI: 10.1371/journal.pone.0114469
• [Y] PATRICK MIDOUX ET AL: "Lipid-based mRNA vaccine delivery systems", EXPERT REVIEW OF VACCINES, vol. 14, no. 2, 12 February 2015 (2015-02-12), GB, pages 221 - 234, XP055439935, ISSN: 1476-0584, DOI: 10.1586/14760584.2015.986104
• [Y] S. HOLTKAMP ET AL: "Modification of antigen-encoding RNA increases stability, translational efficacy, and T-cell stimulatory capacity of dendritic cells", BLOOD, vol. 108, no. 13, 15 December 2006 (2006-12-15), pages 4009 - 4017, XP055044965, ISSN: 0006-4971, DOI: 10.1182/blood-2006-04-015024
• [Y] TOMPKINS STEPHEN MARK ET AL: "Matrix protein 2 vaccination and protection against influenza viruses, including subtype H5N1", EMERGING INFECTIOUS DISE, EID, ATLANTA, GA, US, vol. 13, no. 3, 1 March 2007 (2007-03-01), pages 426 - 435, XP009089369, ISSN: 1080-6040
• [T] NORBERT PARDI ET AL: "mRNA vaccines - a new era in vaccinology", NATURE REVIEWS. DRUG DISCOVERY, vol. 17, no. 4, 12 January 2018 (2018-01-12), GB, pages 261 - 279, XP055524319, ISSN: 1474-1776, DOI: 10.1038/nrd.2017.243
• See references of WO 2016201377A1

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