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H1N1 Solomon Islands

H1N1 Influenza-A Virus Solomon Islands/03/06 Recombinant
VAG0157

Product Overview

Name	H1N1 Solomon Islands

Description

H1N1 Influenza-A Virus Solomon Islands/03/06 Recombinant

Introduction

H1N1 is a subtype specie of Influenza A virus. H1N1 Influenza Virus has mutated into various strains such as the Spanish Flu strain, mild human flu strains, endemic pigstrains, and various strains found in birds. The Influenza A Virus is a globular particle about 100nm in diameter, sheathed in a lipid bilayer derived from the plasma membrane of its host. Studded in the lipid bilayer are two integral membrane proteins some 500 molecules of hemagglutinin ("H") and some 100 molecules of neuraminidase ("N"). Within the lipid bilayer are 3000 molecules of matrix protein and 8 pieces of RNA. Each of the 8 RNA molecules is associated with many copies of a nucleoprotein, several molecules of the three subunits of its RNA polymerase some "non-structural" protein molecules of uncertain function.

Source

Baculovirus Insect Cells.

Physical Appearance

Sterile Filtered colorless solution.

Formulation

The Recombinant H1N1 A/Solomon Islands/03/2006 solution contains 10mM Sodium phosphate, pH 7.1,150mM NaCl and 0.005% Tween-20.

Stability

H1N1 A/Solomon Islands/03/2006 Recombinant should be stored at 4°C.

Purity

Greater than 90.0% as determined by SDS-PAGE.

References

1. Title: Broadly cross-reactive antibodies dominate the human B cell response against 2009 pandemic H1N1 influenza virus infection Publication : The Rockefeller University Press , doi: 10.1084/jem.20101352 © 2011 Wrammert et al. Link : H1N1 Solomon Islands prospec publication 2. Title :Heterosubtypic neutralizing antibodies are produced by individuals immunized with a seasonal influenza vaccine. Publication :The Journal of Clinical Investigation http://www.jci.org Volume 120 Number 5 May 2010. Link : H1N1 Solomon Islands Virus prospec publication

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Immunological Activity

Western-Blot 0.1 µg -1 µg per strip, ELISA 1 µg/Well.

Precautions

H1N1 Solomon Islands is for research use only and not for use in diagnostic or therapeutic procedures.