

## Recombinant Influenza A Virus H1N1 HA( $\Delta$ TM)(A/South Carolina/1/18/), His-tagged

Cat.No:DAG2213

Lot. No. (See product label)

### PRODUCT INFORMATION

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
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| <b>species</b>             | Influenza A Virus                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Applications</b>        | WB standard, antibody ELISA, immunogen, etc                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Storage</b>             | Store at 4°C; DO NOT FREEZE; stable for 1 year from the date of shipment. Non-hazardous. No MSDS required                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Antigen Description</b> | H1N1 is currently pandemic in both human and pig populations. A variant of H1N1 was responsible for the Spanish flu pandemic that killed some 50 million to 100 million people worldwide over about a year in 1918 and 1919. Another variant was named a pandemic threat in the 2009 flu pandemic. Controversy arose in October, 2005, after the H1N1 genome was published in the journal, Science, because of fears that this information could be used for bioterrorism. |
| <b>Concentration</b>       | 1 mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Source</b>              | HEK293 cells                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Tag</b>                 | His                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Form</b>                | Each vial contains 100 µg of purified protein in PBS.                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>AA Sequence</b>         | a.a. 19-529                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Purity</b>              | >= 95%                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Dilutions</b>           | N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

### Background

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| <b>Introduction</b> | Influenza A virus causes influenza in birds and some mammals and is the only species of influenzavirus A. Influenzavirus A is a genus of the Orthomyxoviridae family of viruses. Strains of all subtypes of influenza A virus have been isolated from wild birds, although disease is uncommon. Some isolates of influenza A virus cause severe disease both in domestic poultry and, rarely, in humans. Occasionally, viruses are transmitted from wild aquatic birds to domestic poultry, and this may cause an outbreak or give rise to human influenza pandemics. |
| <b>Keywords</b>     | Orthomyxoviridae; Influenzavirus A; Influenza A virus; Influenza A virus H1N1 HA; H1N1 HA; H1N1; HA; Hemagglutinin                                                                                                                                                                                                                                                                                                                                                                                                                                                    |