

Recombinant Antigens for 2015-2021 Influenza Vaccine Strains

Seasonal flu (influenza) is a common infectious disease of the respiratory tract causing mild to severe illness. Vaccination is the most effective way to prevent seasonal flu. Each year, 3-4 different flu strains will be selected as vaccine strains based on surveillance data of the recent isolates, and the performance of the vaccines from the previous season.

The annual vaccine strains normally include both influenza A and influenza B. There are many subtypes of influenza A based on the subtype of two surface antigens, hemagglutinin (HA) and neuraminidase (NA), while influenza B is divided into two lineages, the Yamagata lineage and the Victoria lineage.

To support influenza research, Sino Biological has developed a panel of recombinant antigen products covering most of the vaccine strains from 2015-2021. The products include both HA and NA proteins, and some nucleoprotein (NP) proteins. [Customized production](#) is available if your antigen (or strain) of interest is not on the current list.

Year 2020 ~ 2021

A/Guangdong-Maonan/SWL1536/2019 (H1N1)

Egg-based (quadrivalent, trivalent)

HA: 40717-V08H

NP: 40723-V08B

A/Hong Kong/2671/2019 (H3N2)

Egg-based (quadrivalent, trivalent)

HA: 40721-V08H

NP: 40753-V08B

A/Hawaii/70/2019 (H1N1)

Cell- or recombinant-based (quadrivalent, trivalent)

HA: 40717-V08H

NP: 40724-V08B

A/Hong Kong/45/2019 (H3N2)

Cell- or recombinant-based (quadrivalent, trivalent)

HA: 40765-V08H (Under Development)

NP: 40754-V08B

B/Phuket/3073/2013

Egg-based, Cell- or recombinant-based (quadrivalent)

HA: 40498-V08B

NA: 40502-V07B

NP: 40500-V08B

B/Washington/02/2019

Egg-based, Cell- or recombinant-based (quadrivalent, trivalent)

HA: 40722-V08H

NP: 40755-V08B

Year 2019 ~ 2020

A/Brisbane/02/2018 (H1N1)

Egg-based (quadrivalent)

A/Kansas/14/2017 (H3N2)

Egg-based (quadrivalent)

HA: 40719-V08H

HA: 40720-V08H

B/Phuket/3073/2013

Egg-based (quadrivalent)

HA: 40502-V07B

NA: 40502-V07B

NP: 40500-V08B

B/Colorado/06/2017

Egg-based (quadrivalent); trivalent

HA: 40581-V08H

Year 2018 ~ 2019

A/Michigan/45/2015 (H1N1)

quadrivalent

HA: 40567-V08H1

NA: 40568-V08B

A/Singapore/INFIMH-16-0019/2016 (H3N2)

quadrivalent

HA: 40580-V08H

B/Phuket/3073/2013

quadrivalent

HA: 40498-V08B

NA: 40502-V07B

NP: 40500-V08B

B/Colorado/06/2017

quadrivalent; trivalent

HA: 40581-V08H

Year 2017 ~ 2018

A/Michigan/45/2015 (H1N1)

trivalent

HA: 40567-V08H1

NA: 40568-V08B

A/Hong Kong/4801/2014 (H3N2)

trivalent

HA: 40555-V08B

NA: 40569-V08B

B/Brisbane/60/2008

trivalent

HA: 40016-V08B

NA: 40203-VNAHC

B/Phuket/3073/2013

quadrivalent

HA: 40498-V08B

NA: 40502-V07B

NP: 40500-V08B

Year 2016 ~ 2017

A/California/7/2009 (H1N1)

trivalent

HA: 11085-V08B

NP: 40205-V08B

A/Hong Kong/4801/2014 (H3N2)

trivalent

HA: 40555-V08B

NA: 40569-V08B

B/Brisbane/60/2008

trivalent

HA: 40016-V08B

B/Phuket/3073/2013

quadrivalent

HA: 40498-V08B

NA: 40203-VNAHC

NA: 40502-V07B

NP: 40500-V08B

Year 2015 ~ 2016

A/California/7/2009 (H1N1)

trivalent

HA: 11085-V08B

NP: 40205-V08B

A/Switzerland/9715293/2013 (H3N2)

trivalent

HA: 40497-V08B

NA: 40499-V08B

B/Brisbane/60/2008

quadrivalent

HA: 40016-V08B

NA: 40203-VNAHC

B/Phuket/3073/2013

trivalent

HA: 40498-V08B

NA: 40502-V07B

NP: 40500-V08B



+86-400-890-9989 | order@sinobiological.com

Building 9, Jing Dongbei Technology Park, No.18

Kechuang 10th St, BDA, Beijing, 100176, P.R.China

