General Information

Gene Name Synonym:
HA

Protein Construction:
A DNA sequence encoding the Influenza A virus (A/Shanghai/4664T/2013[H7N9]) hemagglutinin (AGI60292.1) (Met1-Val524) was expressed with a C-terminal polyhistidine tag.

Source: H7N9
Expression Host: Baculovirus-Insect cells

QC Testing
Purity: > 95 % as determined by SDS-PAGE

Bio Activity:
1. Measured by its ability to bind with Neu5Ac2-3Galb1-4GlcNAcb-PAA-biotin (01-077) using the Octet RED System. 2. Measured by its ability to agglutinate guinea pig red blood cells. HA titer is 0.1-0.6 μg/mL for 1% GRBC.

Endotoxin:
< 1.0 EU per μg of the protein as determined by the LAL method

Stability:
Samples are stable for up to twelve months from date of receipt at -70 °C

Predicted N terminal: Asp 19

Molecular Mass:
The recombinant hemagglutinin of Influenza A virus (A/Shanghai/4664T/2013[H7N9]) comprises 517 amino acids and has a predicted molecular mass of 57.6 kDa. The apparent molecular mass of the protein is approximately 58 kDa in SDS-PAGE under reducing conditions.

Formulation:
Lyophilized from sterile 20 mM Tris, 500 mM NaCl, 10 % glycerol, pH 8.0.

Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

Usage Guide

Storage:
Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

Reconstitution:
Detailed reconstitution instructions are sent along with the products.

References