General Information

Gene Name Synonym:
HA

Protein Construction:
A DNA sequence encoding the Influenza A virus (A/turkey/Ireland/1378/1983(H5N8)) hemagglutinin (AB185117.1) (Met1-Gln527), termed as HA, was expressed with a polyhistidine tag at the C-termi

Source: H5N8

Expression Host: Baculovirus-Insect Cells

QC Testing

Purity: > 90 % as determined by SDS-PAGE.

Bio Activity:
1. Measured by its ability to bind with Neu5Aca2-3Galb1-4GlcNAcb-PAA-biotin (01-077) using the Octet RED System.
2. Measured by its ability to bind with Neu5Aca2-6GalNAc-PAA-biotin (01-059) using the Octet RED System.
3. Measured by its ability to agglutinate guinea pig red blood cells. HA titer is 4-16 μg/mL for 1% GRBC.

Endotoxin:
< 1.0 EU per μg 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 17

Molecular Mass:
The recombinant HA subunit of the Influenza A virus (A/turkey/Ireland/1378/1983(H5N8)) consists 522 amino acids and predicts a molecular mass of 59.4 kDa.

Formulation:
Lyophilized from sterile 20 mM Tris, 500 mM NaCl, 10 % glycerol, pH 7.4.

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